LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	20	24	31	rVB	144690	237146	2.58%	0.272%
2	2.446	55	61	67	rVB	1298980	1691298	18.40%	1.939%
3	2.569	76	82	92	rVB2	113282	195143	2.12%	0.224%
4	4.575	394	423	425	rBV3	62925	340564	3.71%	0.390%
5	4.716	443	447	451	rBV	559313	542025	5.90%	0.621%
6	5.310	530	548	551	rBV	3141983	3981345	43.32%	4.565%
7	5.381	551	560	561	rBV	63710	112669	1.23%	0.129%
8	5.681	607	611	615	rVB2	3732012	4609989	50.16%	5.286%
9	5.769	615	626	628	rVB	608020	1519459	16.53%	1.742%
10	5.910	639	650	651	rBV2	172946	283478	3.08%	0.325%
11	6.016	666	668	673	rVB	151875	136955	1.49%	0.157%
12	6.081	675	679	683	rVB	439261	399538	4.35%	0.458%
13	6.351	722	725	727	rBV	104673	131215	1.43%	0.150%
14	6.434	731	739	744	rVB2	308160	789528	8.59%	0.905%
15	6.669	771	779	780	rBV	2089688	2548877	27.74%	2.922%
16	6.881	813	815	818	rVB	153766	118578	1.29%	0.136%
17	7.063	842	846	849	rBV	1973612	1620432	17.63%	1.858%
18	7.110	851	854	857	rVV	427379	393948	4.29%	0.452%
19	7.151	858	861	864	rVV	180302	183007	1.99%	0.210%
20	7.204	866	870	871	rBV3	104853	114121	1.24%	0.131%
21	7.234	871	875	878	rVB2	222283	306174	3.33%	0.351%
22	7.310	886	888	891	rVB	181256	131599	1.43%	0.151%
23	7.404	894	904	908	rBV2	171993	331451	3.61%	0.380%
24	7.445	908	911	913	rBV2	227751	258469	2.81%	0.296%
25	7.534	921	926	931	rVB2	133839	170942	1.86%	0.196%
26	7.622	931	941	944	rBV	4611131	5005606	54.47%	5.739%
27	7.657	944	947	950	rVB	384388	337267	3.67%	0.387%
28	7.722	950	958	960	rBV	283000	451292	4.91%	0.517%
29	7.787	966	969	971	rBV3	75046	97241	1.06%	0.111%
30	7.839	975	978	979	rBV	120039	99760	1.09%	0.114%
31	7.869	982	983	990	rVB2	196723	184346	2.01%	0.211%
32	7.934	990	994	999	rBV3	83252	129268	1.41%	0.148%
33	7.981	999	1002	1006	rBV2	65863	98402	1.07%	0.113%
34	8.092	1006	1021	1023	rBV3	1509974	3510060	38.20%	4.025%
35	8.110	1023	1024	1028	rVB	1349395	1001208	10.89%	1.148%
36	8.251	1042	1048	1051	rBV	1124187	1263807	13.75%	1.449%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.345	1059	1064	1071	rVB	2601474	2782782	30.28%	3.191%
38	8.416	1071	1076	1081	rBV	218977	264188	2.87%	0.303%
39	8.475	1083	1086	1090	rVB2	139160	162134	1.76%	0.186%
40	8.610	1098	1109	1113	rVB	1137067	2054529	22.36%	2.356%
41	8.686	1117	1122	1128	rVV7	328105	516577	5.62%	0.592%
42	8.751	1130	1133	1136	rVV2	188278	166421	1.81%	0.191%
43	8.798	1138	1141	1144	rVB2	140427	115632	1.26%	0.133%
44	8.898	1155	1158	1161	rVB	584329	439567	4.78%	0.504%
45	8.975	1168	1171	1175	rBV	696091	585332	6.37%	0.671%
46	9.016	1175	1178	1182	rVB2	258064	283215	3.08%	0.325%
47	9.116	1192	1195	1199	rVB	318508	296649	3.23%	0.340%
48	9.157	1199	1202	1205	rBV3	98729	117516	1.28%	0.135%
49	9.263	1213	1220	1223	rVB	555171	608536	6.62%	0.698%
50	9.422	1242	1247	1250	rBV	9732722	9189803	100.00%	10.537%
51	9.475	1252	1256	1258	rBV3	95595	125928	1.37%	0.144%
52	9.563	1266	1271	1274	rBV	4277851	4281787	46.59%	4.909%
53	9.628	1279	1282	1284	rBV2	156192	150422	1.64%	0.172%
54	9.657	1284	1287	1290	rVB	272347	247820	2.70%	0.284%
55	9.710	1293	1296	1301	rVV2	136290	127831	1.39%	0.147%
56	9.763	1301	1305	1306	rVV2	273512	253889	2.76%	0.291%
57	9.781	1306	1308	1312	rVB	338780	262831	2.86%	0.301%
58	9.869	1317	1323	1324	rBV5	100154	159845	1.74%	0.183%
59	9.904	1325	1329	1334	rVB4	158643	275708	3.00%	0.316%
60	9.986	1340	1343	1345	rBV3	125347	153837	1.67%	0.176%
61	10.016	1345	1348	1352	rVB	1542767	1411090	15.35%	1.618%
62	10.104	1360	1363	1367	rBV	2586402	2402260	26.14%	2.754%
63	10.139	1367	1369	1373	rVB	220623	167737	1.83%	0.192%
64	10.180	1373	1376	1381	rBV6	86544	107700	1.17%	0.123%
65	10.239	1383	1386	1389	rVB	303289	238351	2.59%	0.273%
66	10.292	1392	1395	1396	rBV	231728	213922	2.33%	0.245%
67	10.316	1396	1399	1402	rVV	403772	431834	4.70%	0.495%
68	10.363	1402	1407	1414	rVB3	729984	955664	10.40%	1.096%
69	10.510	1428	1432	1437	rVB	279638	307092	3.34%	0.352%
70	10.657	1454	1457	1459	rVB	113928	104108	1.13%	0.119%
71	10.851	1487	1490	1494	rBV	454762	353972	3.85%	0.406%
72	10.898	1494	1498	1501	rVV	4323710	3749797	40.80%	4.299%
73	10.939	1501	1505	1508	rVV	144094	136299	1.48%	0.156%
74	10.998	1511	1515	1525	rBV5	182536	364759	3.97%	0.418%
75	11.186	1544	1547	1550	rBV	329179	227810	2.48%	0.261%
76	11.239	1553	1556	1562	rVB3	610738	572156	6.23%	0.656%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.292	1562	1565	1568	rBV2	347941	310506	3.38%	0.356%
78	11.463	1589	1594	1597	rBV	841000	826867	9.00%	0.948%
79	11.604	1614	1618	1620	rBV	2818057	2335101	25.41%	2.677%
80	11.675	1628	1630	1632	rBV2	109132	117654	1.28%	0.135%
81	11.698	1632	1634	1638	rVB	359046	281576	3.06%	0.323%
82	11.974	1676	1681	1684	rBV4	184593	219228	2.39%	0.251%
83	12.110	1700	1704	1712	rBV	1083788	946092	10.30%	1.085%
84	12.539	1775	1777	1780	rBV2	128664	105683	1.15%	0.121%
85	12.586	1782	1785	1787	rVB	132922	120956	1.32%	0.139%
86	12.633	1790	1793	1797	rBV3	95239	109225	1.19%	0.125%
87	12.816	1822	1824	1829	rBV	193024	194059	2.11%	0.223%
88	12.898	1835	1838	1843	rBV	503916	439632	4.78%	0.504%
89	13.045	1860	1863	1865	rBV2	227458	284321	3.09%	0.326%
90	13.192	1883	1888	1891	rBV	7461080	6806378	74.06%	7.804%
91	13.551	1946	1949	1956	rVB	403143	467626	5.09%	0.536%
92	13.951	2014	2017	2020	rBV3	193579	257020	2.80%	0.295%
93	14.039	2029	2032	2035	rBV	781352	648742	7.06%	0.744%
94	14.074	2036	2038	2041	rVB	259583	221261	2.41%	0.254%
95	14.251	2065	2068	2072	rVB	1501413	1275304	13.88%	1.462%
96	14.363	2085	2087	2089	rBV	169810	173676	1.89%	0.199%
97	14.927	2180	2183	2189	rVB	344993	404687	4.40%	0.464%
98	15.133	2215	2218	2221	rVB	283523	261122	2.84%	0.299%
99	15.833	2332	2337	2346	rVB	1204611	1715809	18.67%	1.967%

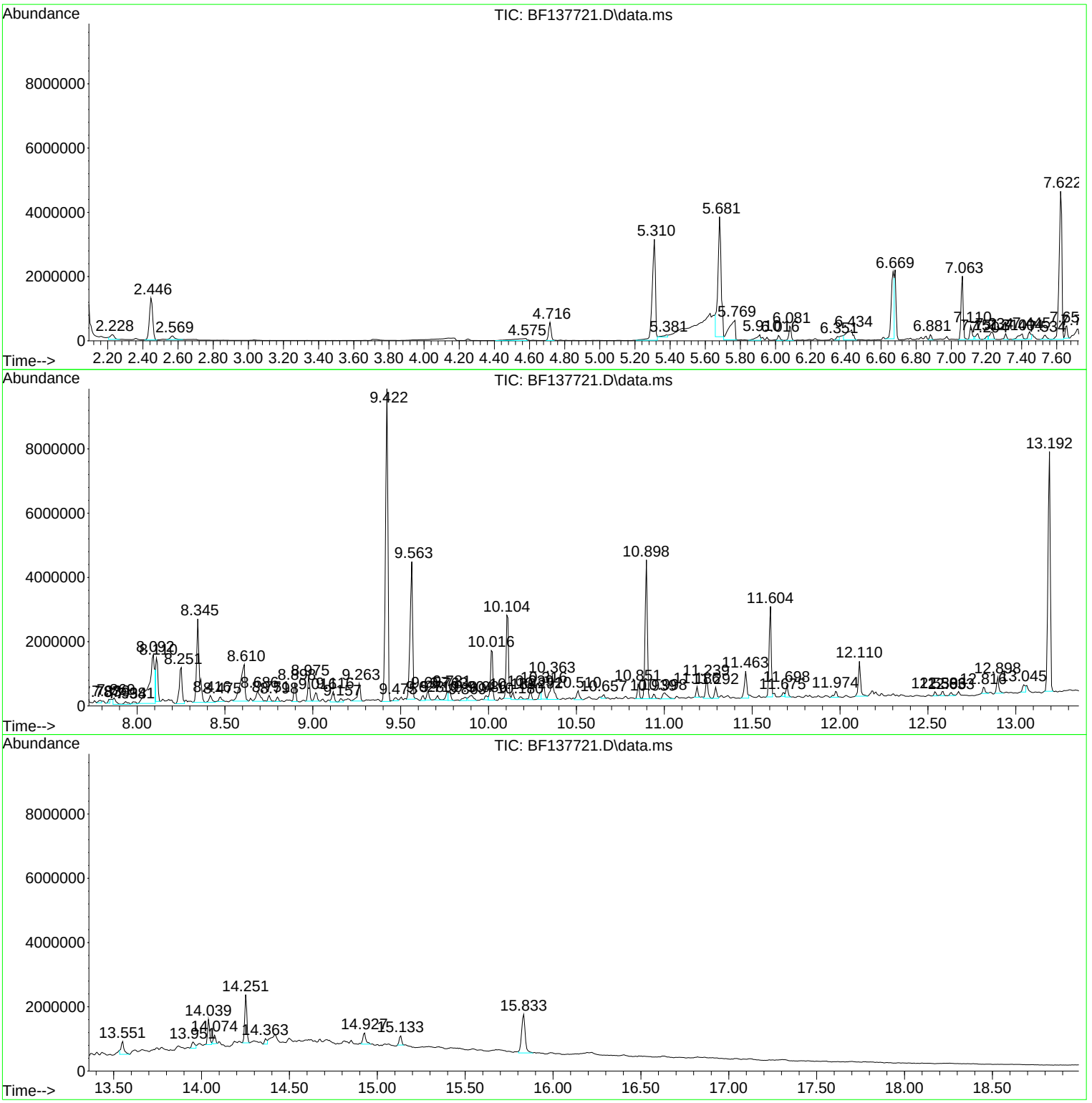
Sum of corrected areas: 87216062

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

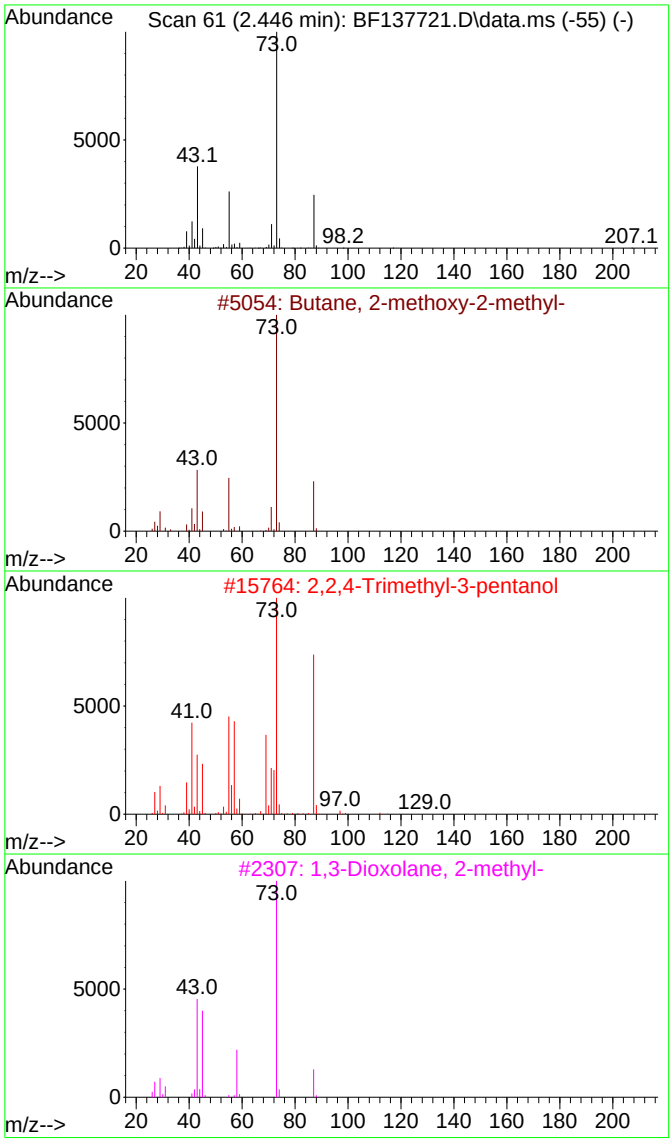
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

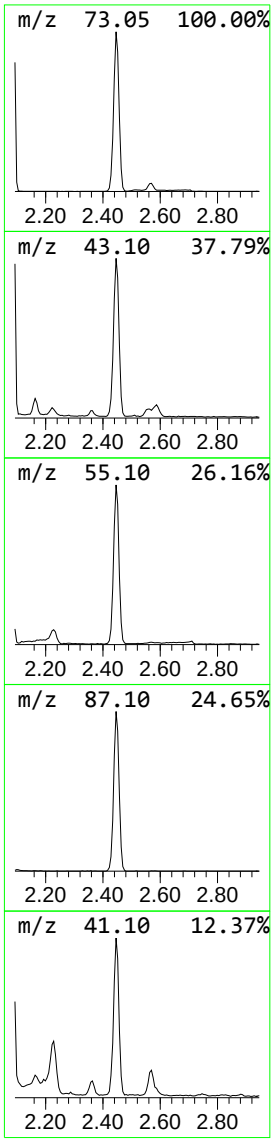
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.446	20.87 ng	1691300	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

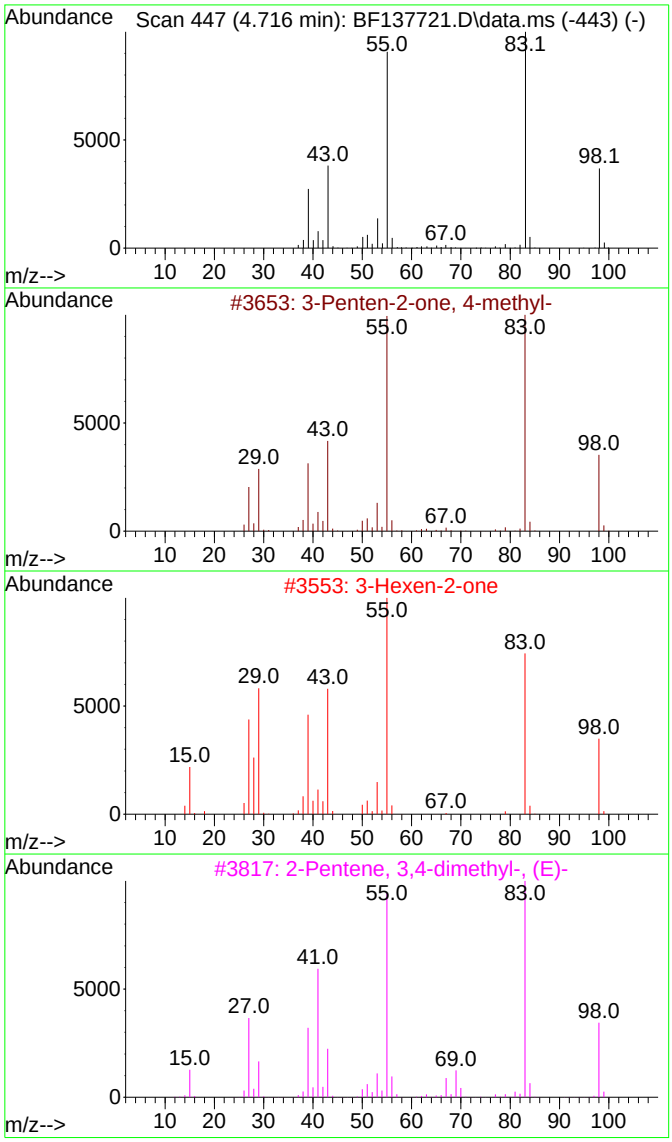
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

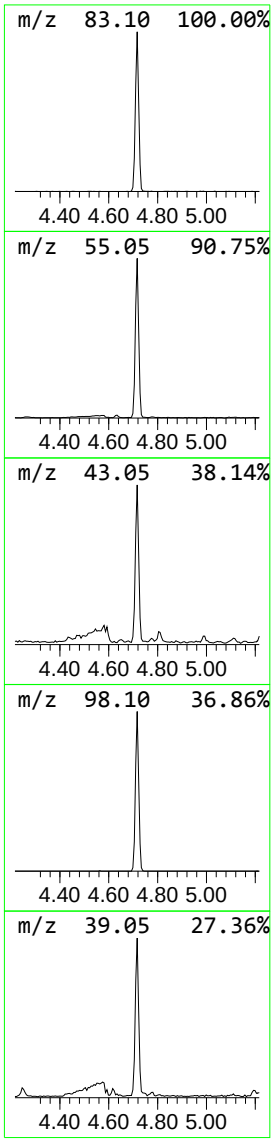
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.716	6.69 ng	542025	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

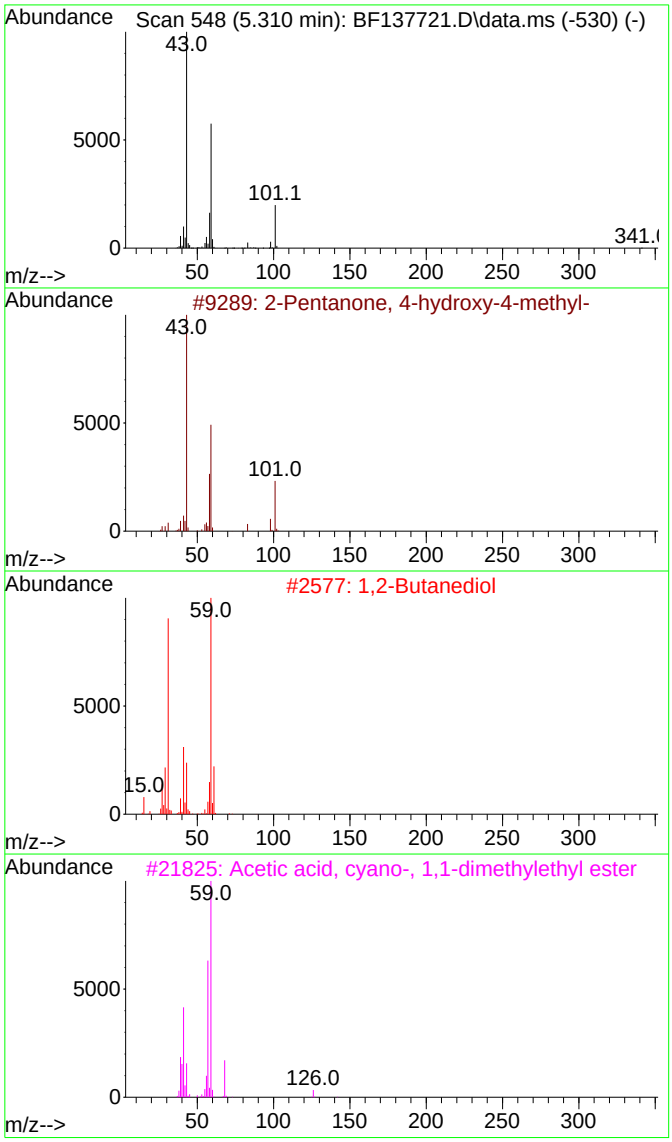
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

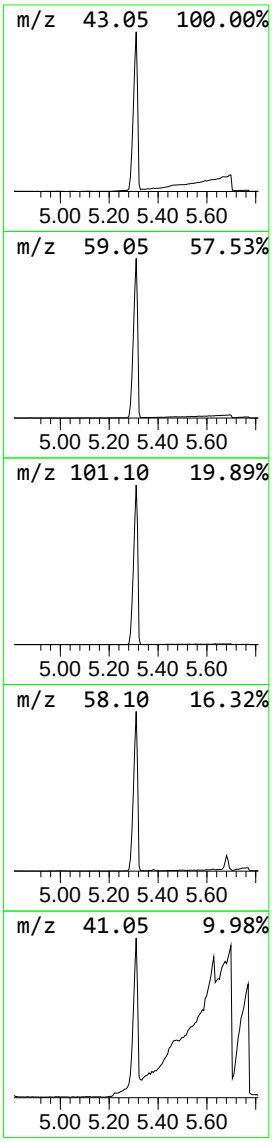
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.310	49.14 ng	3981350	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	1,2-Butanediol	90	C4H10O2	000584-03-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

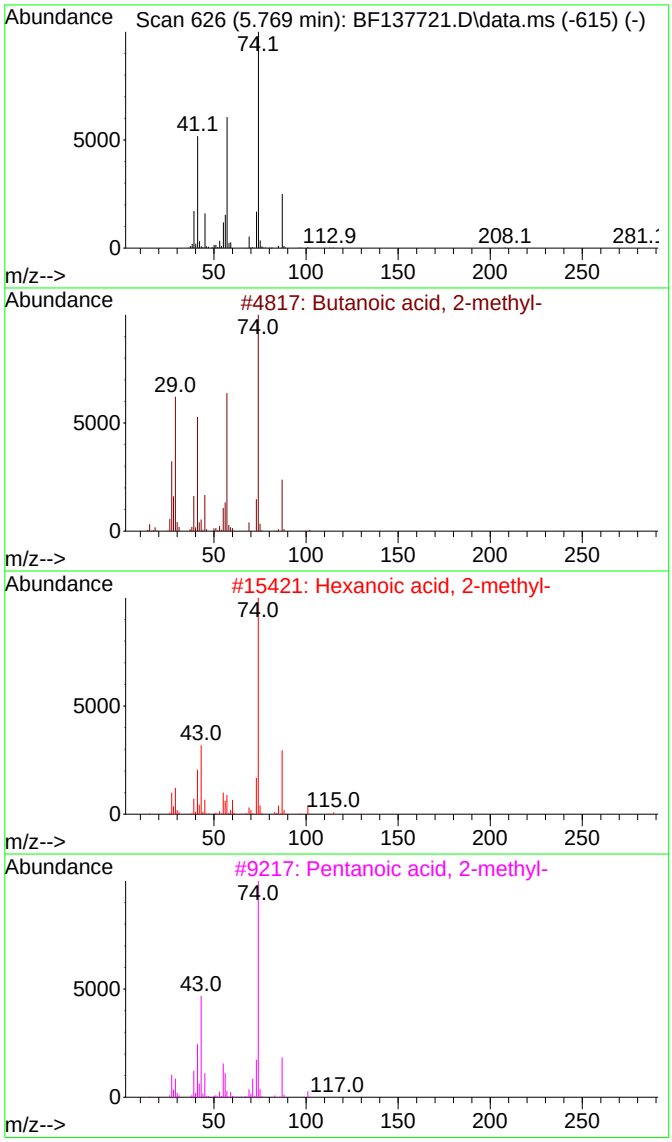
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

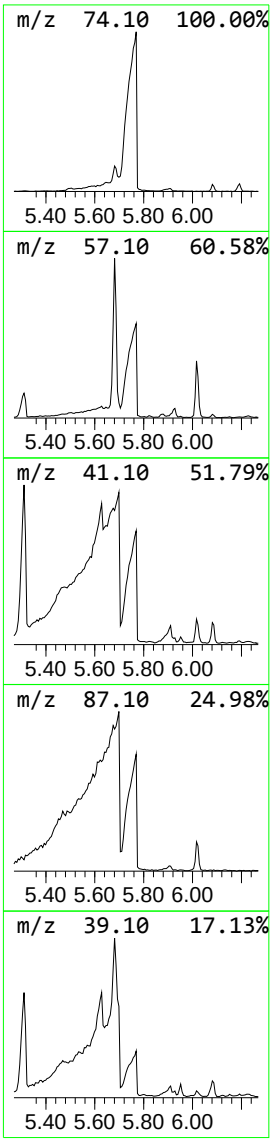
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butanoic acid, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.769	18.75 ng	1519460	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	91
2	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	64
3	Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	64
4	2,4-Dimethylpentanoic acid	130	C7H14O2	005868-33-7	56
5	Propanoic acid	74	C3H6O2	000079-09-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

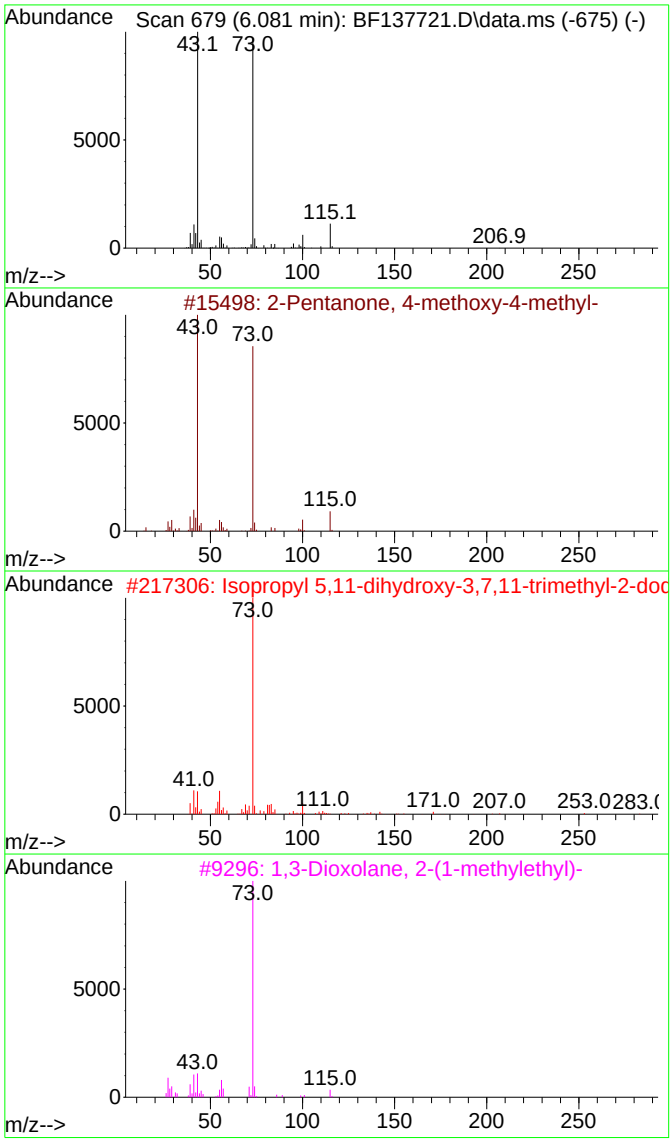
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

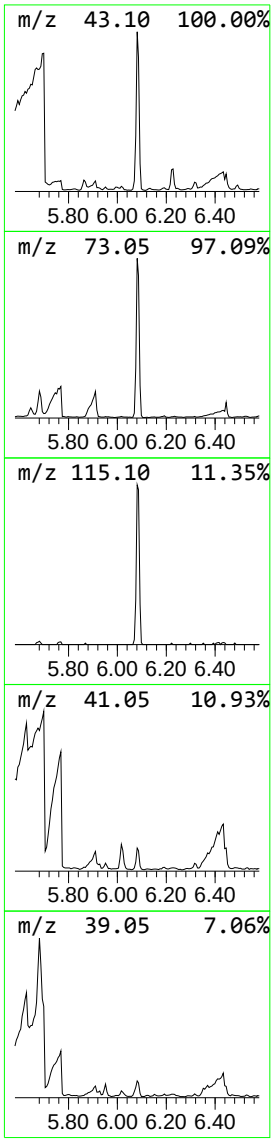
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Pentanone, 4-methoxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.081	4.93 ng	399538	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	32
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	25
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

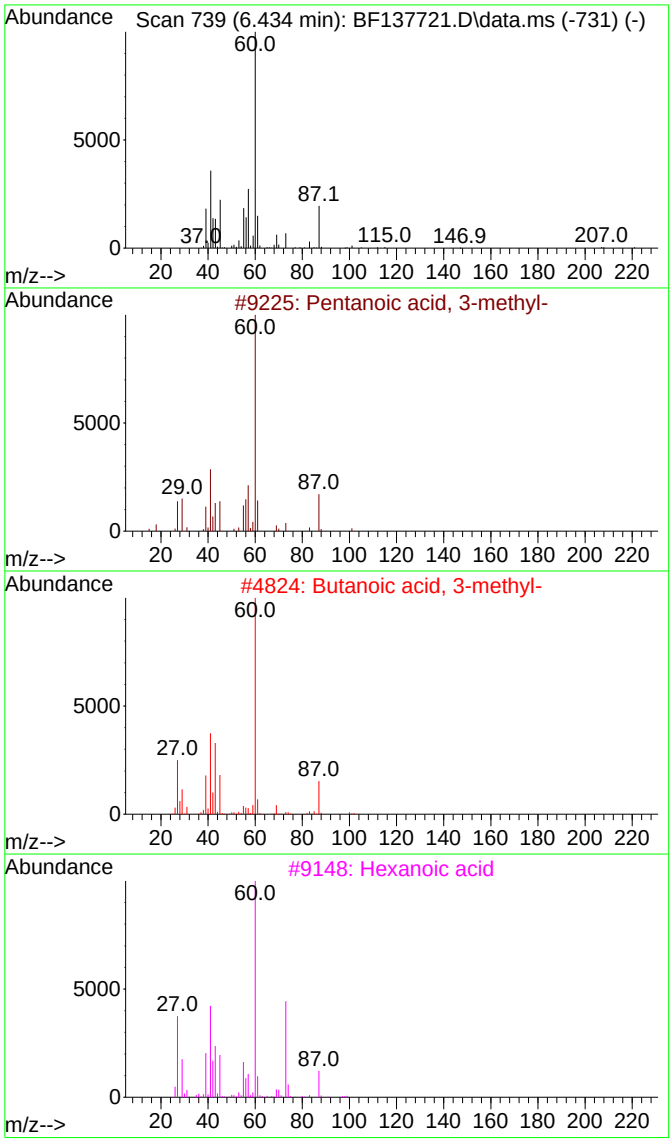
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

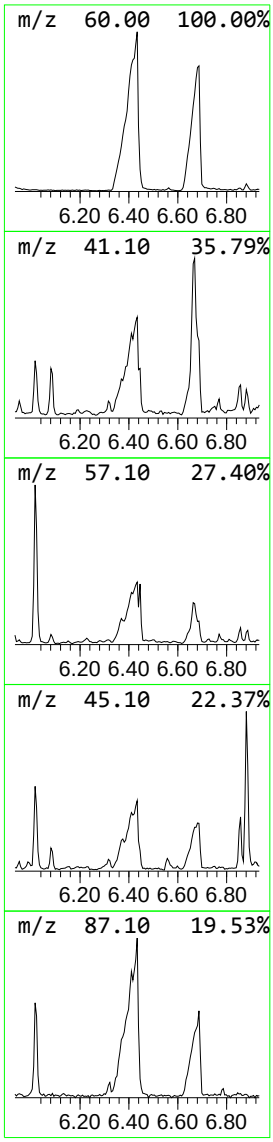
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentanoic acid, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.434	9.74 ng	789528	1,4-Dichlorobenzene-d4	7.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	78
2	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	78
3	Hexanoic acid	116	C6H12O2	000142-62-1	72
4	Ethyl .alpha.-d-glucopyranoside	208	C8H16O6	019467-01-7	59
5	Octanoic acid	144	C8H16O2	000124-07-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

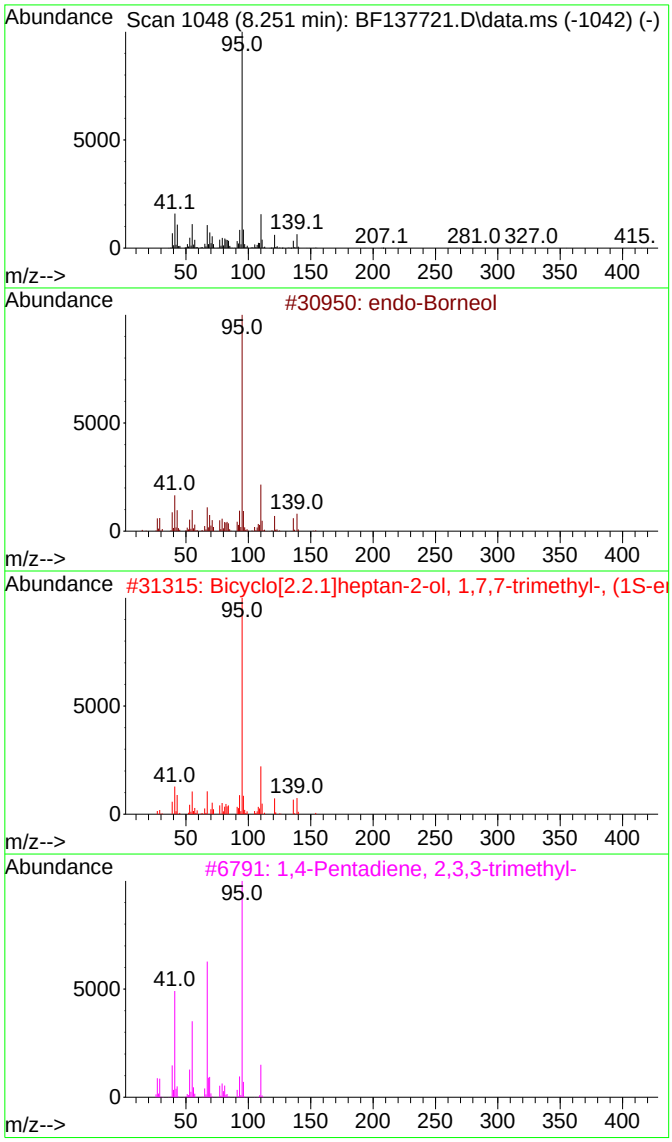
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

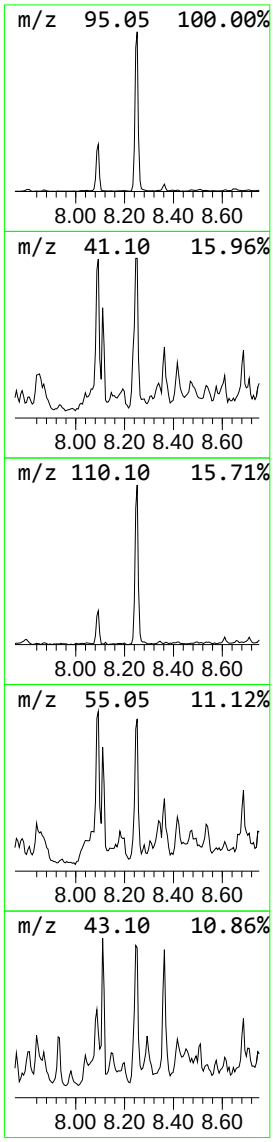
****

Peak Number 7 endo-Borneol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.251	9.08 ng	1263810	Naphthalene-d8	8.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	92
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	91
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
4	2-Amino-4-methylbut-2-enenitrile	110	C6H10N2	1000197-39-9	64
5	Bicyclo[2.2.1]heptane, 2-(1,1-di...	164	C12H20	069219-08-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

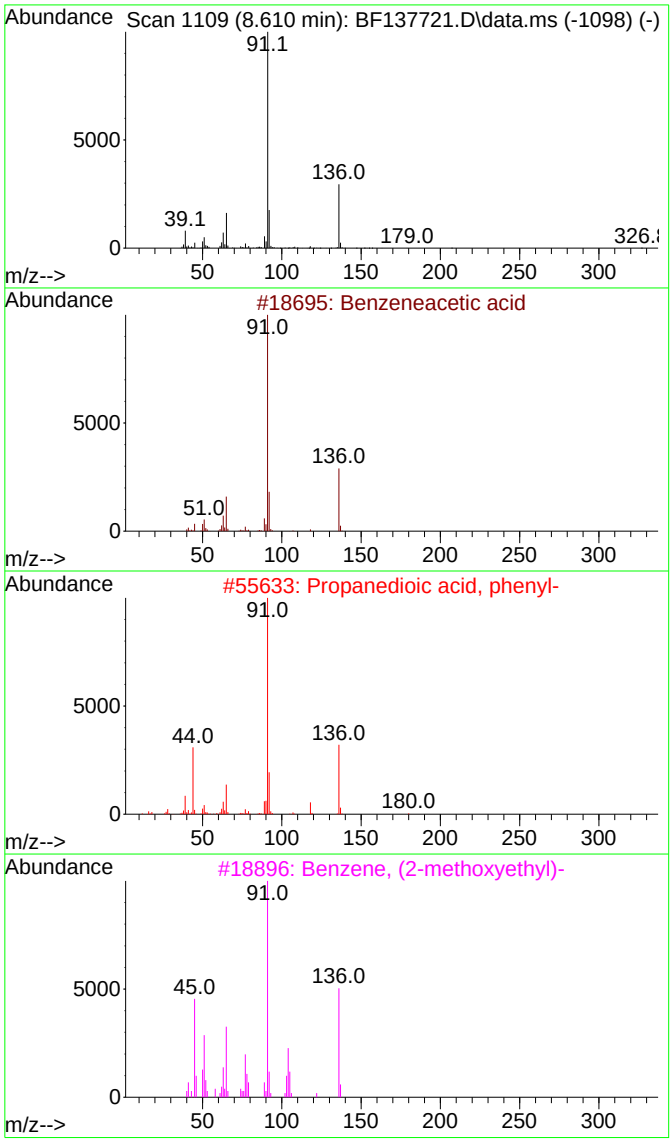
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

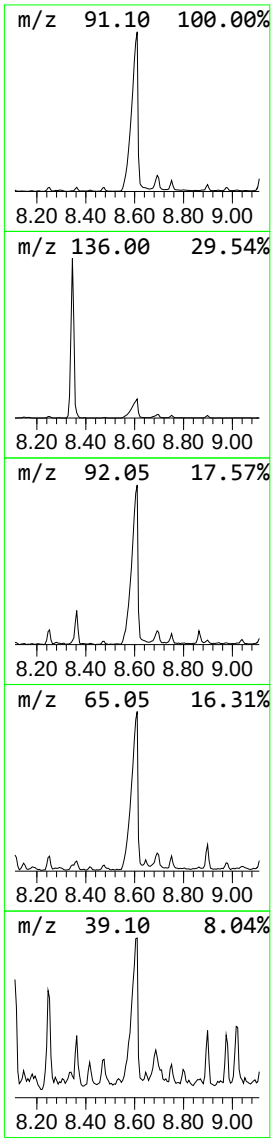
****

Peak Number 8 Benzeneacetic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.610	14.77 ng	2054530	Naphthalene-d8	8.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	94
2	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	78
3	Benzene, (2-methoxyethyl)-	136	C9H12O	003558-60-9	72
4	p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	59
5	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

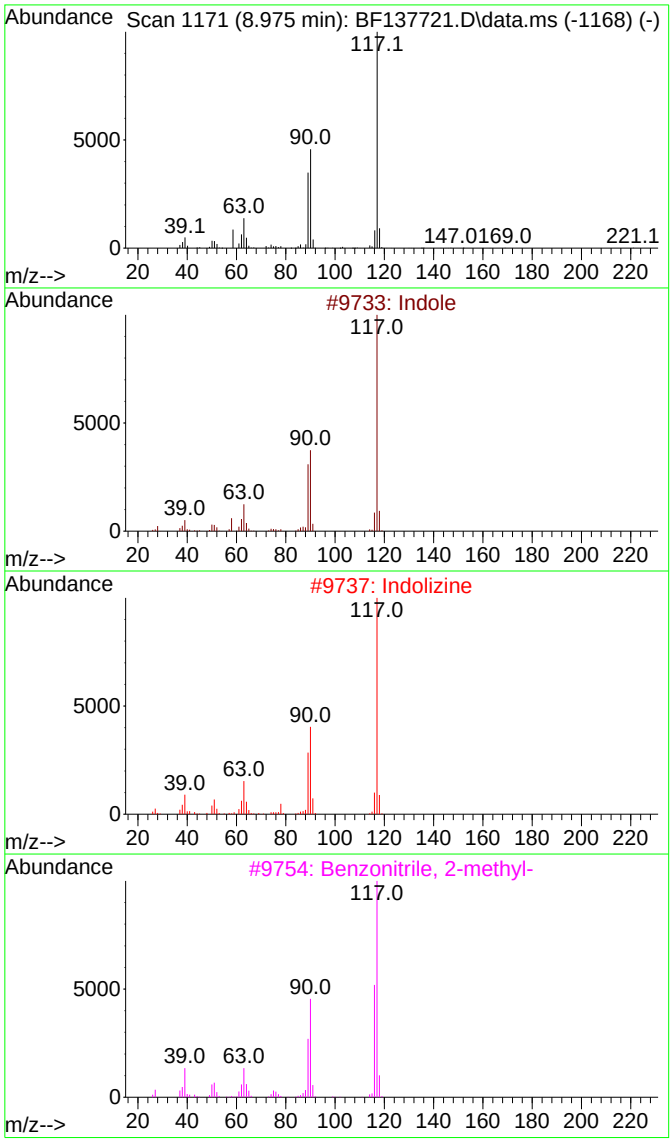
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

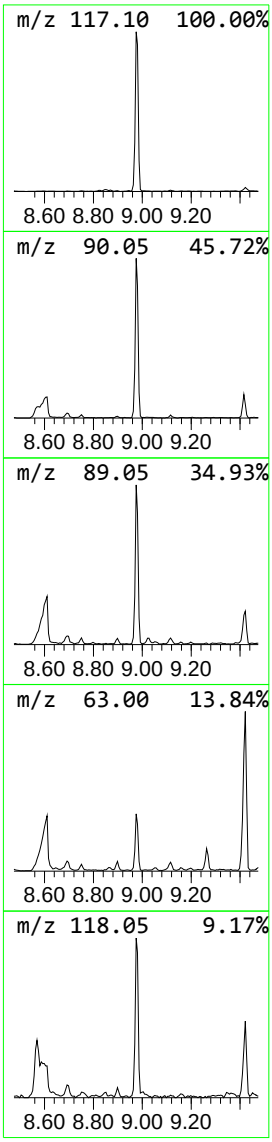
****

Peak Number 9 Indole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.975	4.21 ng	585332	Naphthalene-d8	8.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	97
2	Indolizine	117	C8H7N	000274-40-8	91
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	91
4	Benzyl nitrile	117	C8H7N	000140-29-4	90
5	Benzene, 1-isocyano-2-methyl-	117	C8H7N	010468-64-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

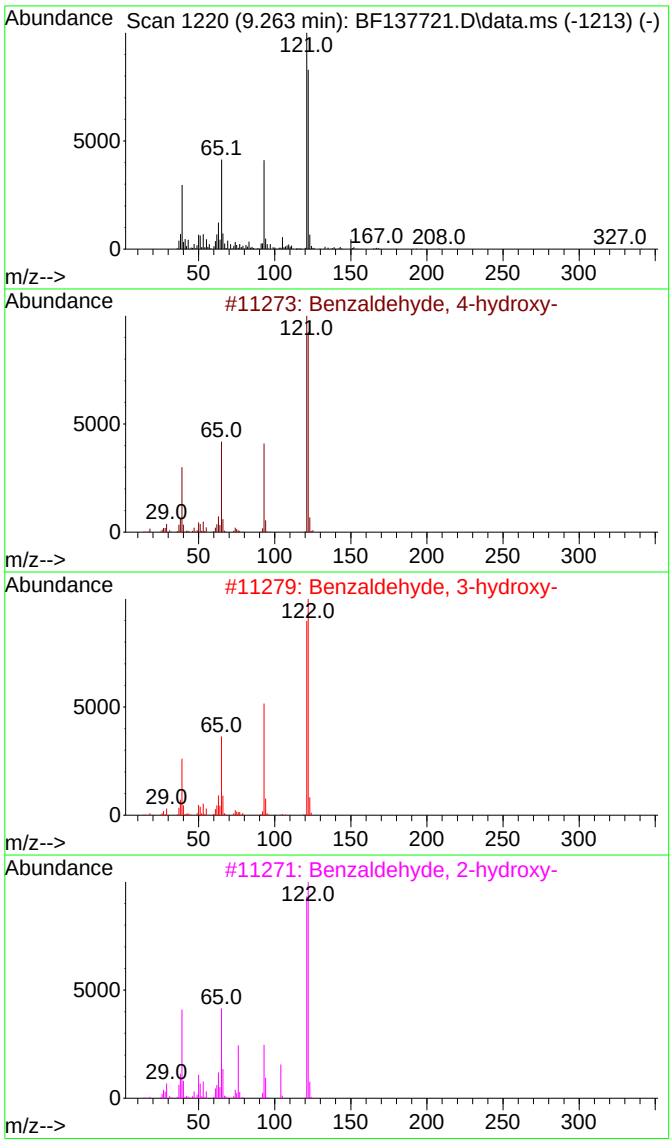
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

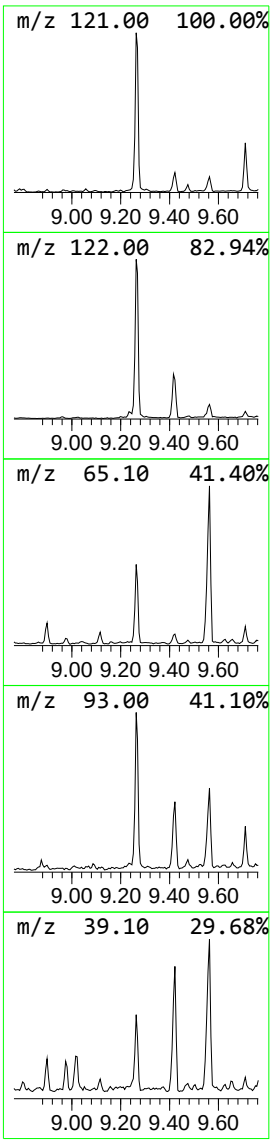
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzaldehyde, 4-hydroxy- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	5.07 ng	608536	Acenaphthene-d10	10.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-	122	C7H6O2	000123-08-0	96
2	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	94
3	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	78
4	Benzoic acid, 4-hydroxy-, hydrazide	152	C7H8N2O2	005351-23-5	59
5	2-Pyridinealdoxime	122	C6H6N2O	000873-69-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

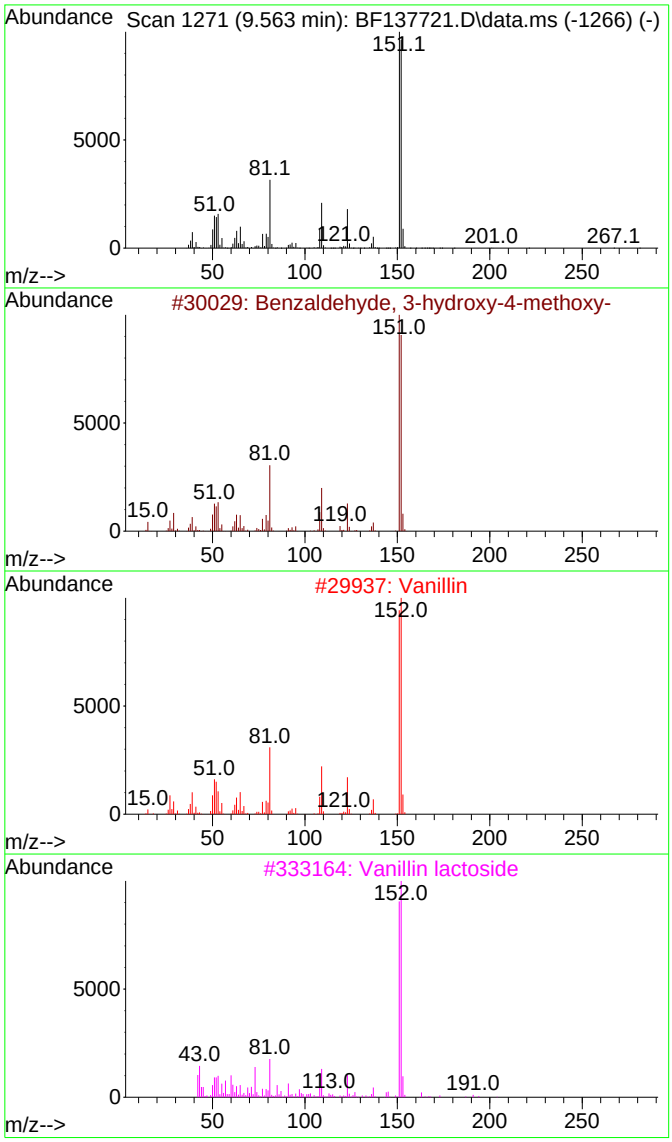
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

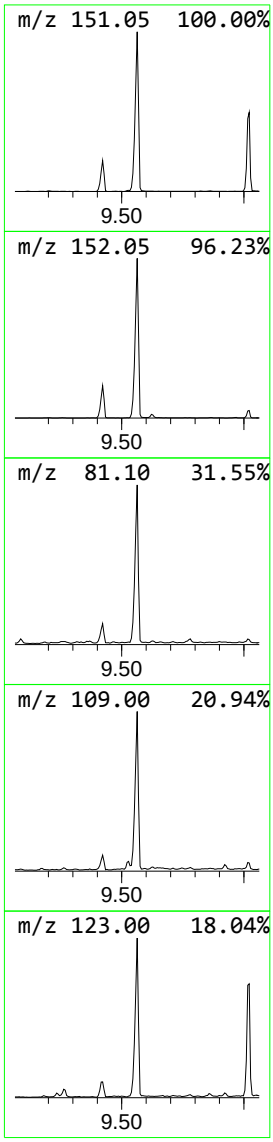
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzaldehyde, 3-hydroxy-4-m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	35.65 ng	4281790	Acenaphthene-d10	10.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	97
2	Vanillin	152	C8H8O3	000121-33-5	97
3	Vanillin lactoside	476	C20H28O13	1000129-94-7	72
4	Benzaldehyde, 2-hydroxy-4-methoxy-	152	C8H8O3	000673-22-3	64
5	Benzaldehyde, 3-(chloroacetoxy)-...	228	C10H9ClO4	066267-38-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

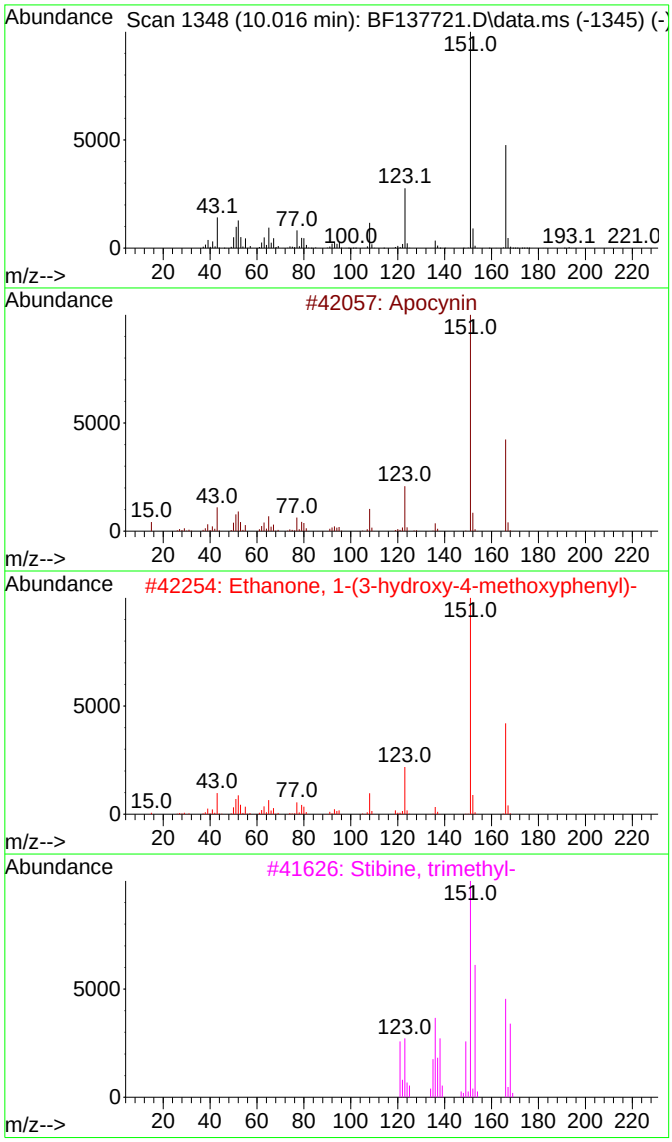
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

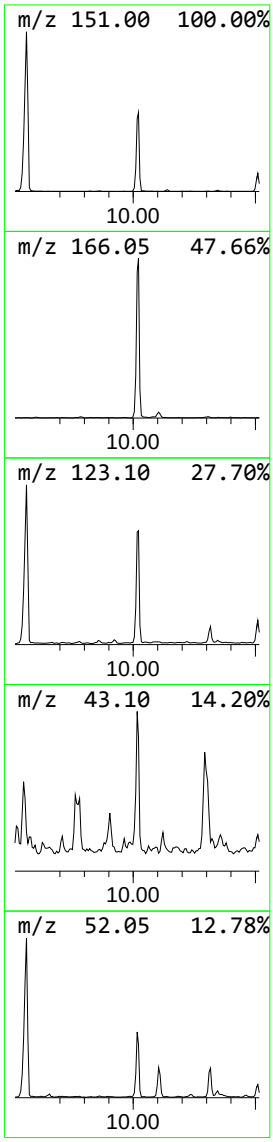
****

Peak Number 12 Apocynin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.016	11.75 ng	1411090	Acenaphthene-d10	10.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Apocynin	166	C9H10O3	000498-02-2	96
2	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	95
3	Stibine, trimethyl-	166	C3H9Sb	000594-10-5	78
4	Ethanone, 1-(2-hydroxy-4-methoxy...	166	C9H10O3	000552-41-0	74
5	t-Butylhydroquinone	166	C10H14O2	001948-33-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

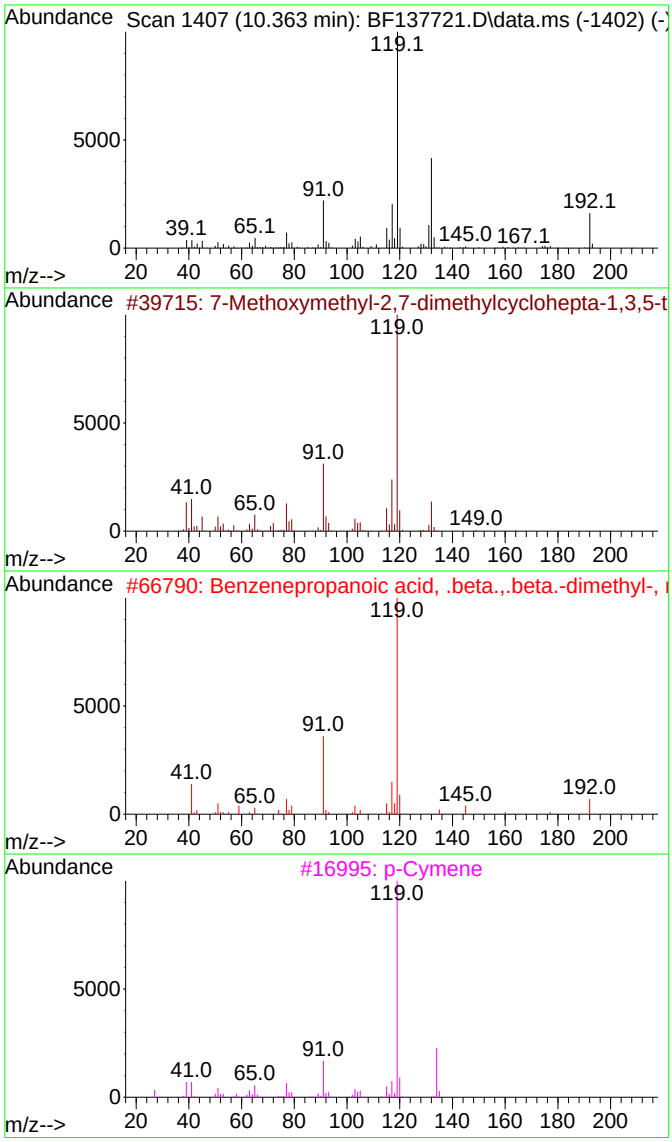
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

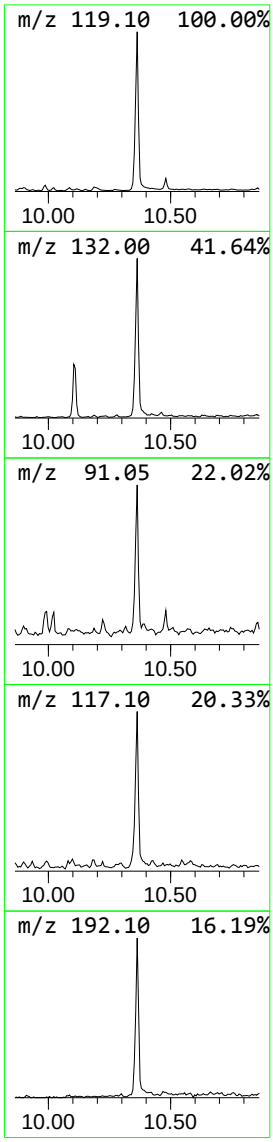
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 7-Methoxymethyl-2,7-dimethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.363	7.96 ng	955664	Acenaphthene-d10	10.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	59
2	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	50
3	p-Cymene	134	C10H14	000099-87-6	46
4	o-Cymene	134	C10H14	000527-84-4	46
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

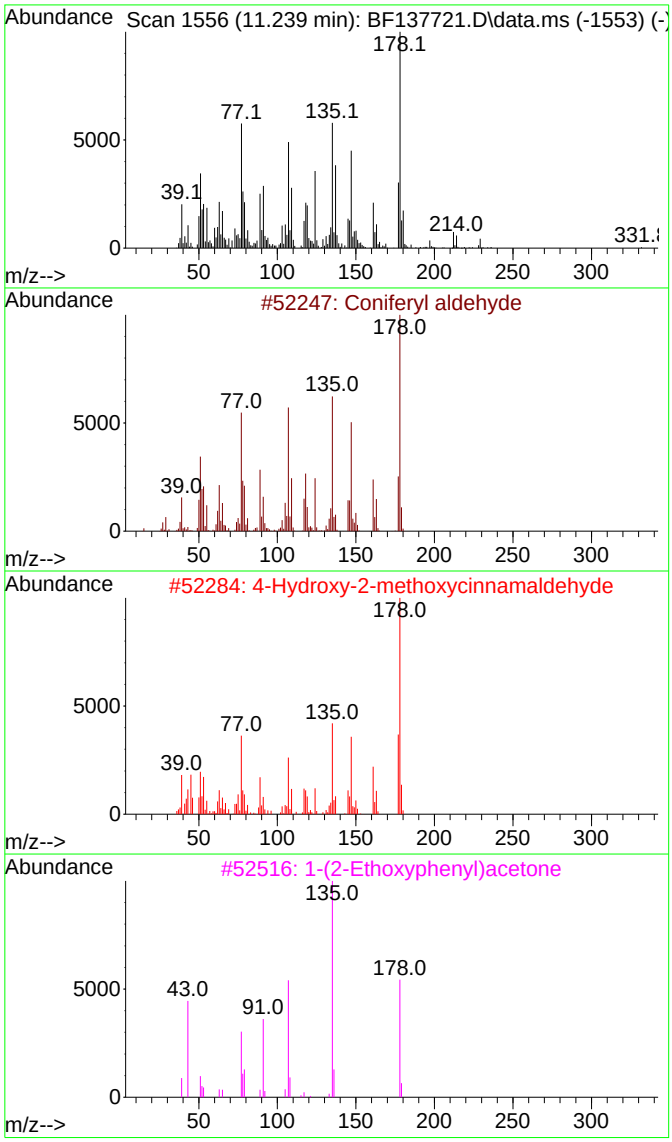
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

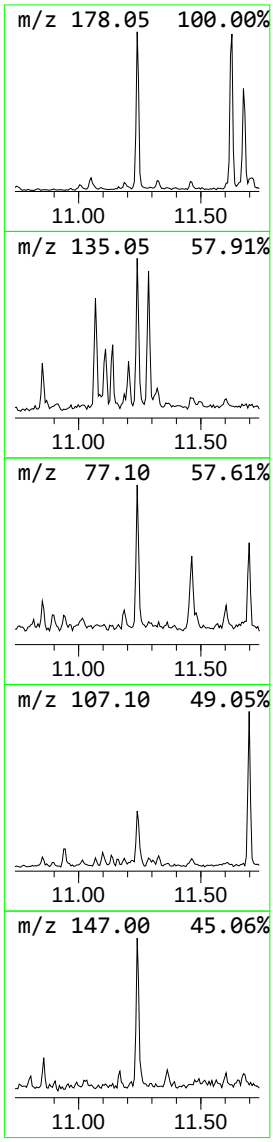
****

Peak Number 14 Coniferyl aldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	4.90 ng	572156	Phenanthrene-d10	11.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coniferyl aldehyde	178	C10H10O3	000458-36-6	98
2	4-Hydroxy-2-methoxycinnamaldehyde	178	C10H10O3	127321-19-1	91
3	1-(2-Ethoxyphenyl)acetone	178	C11H14O2	086432-38-4	46
4	1,3-Benzodioxole-5-propanal	178	C10H10O3	030830-55-8	38
5	2-Benzothiazolamine, 5,6-dimethyl-	178	C9H10N2S	029927-08-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

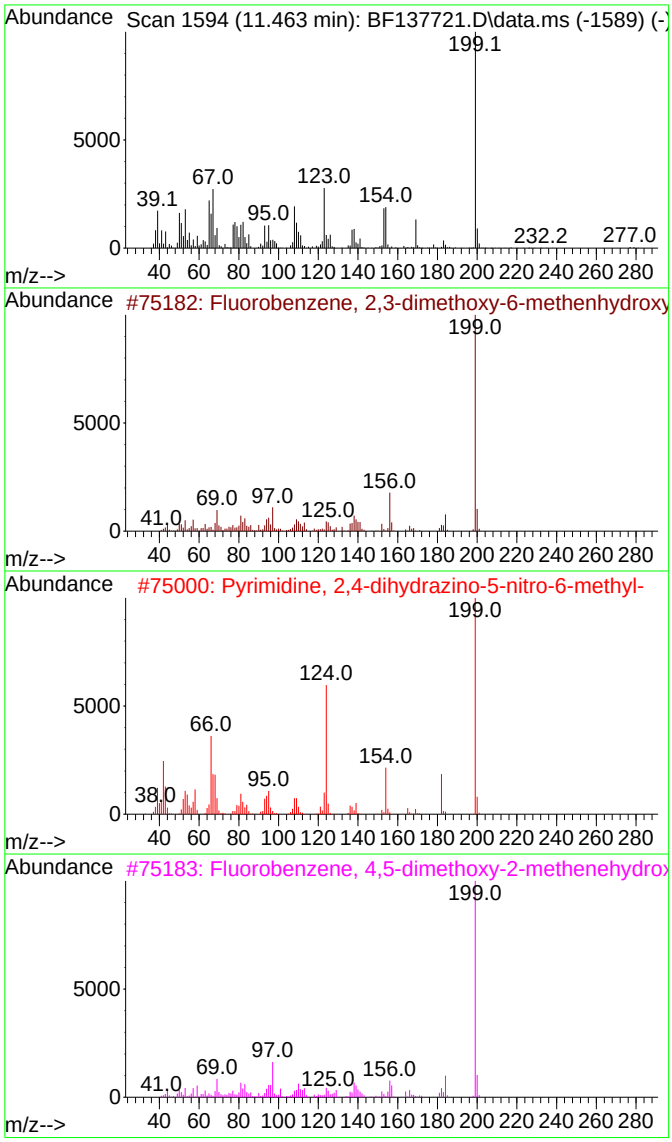
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

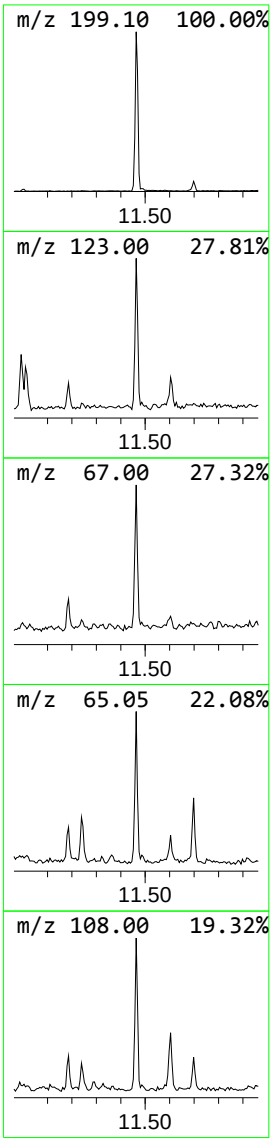
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 unknown11.463 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.463	7.08 ng	826867	Phenanthrene-d10	11.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorobenzene, 2,3-dimethoxy-6-m...	199	C9H10FNO3	1000116-17-6	43
2	Pyrimidine, 2,4-dihydrazino-5-ni...	199	C5H9N7O2	030561-02-5	43
3	Fluorobenzene, 4,5-dimethoxy-2-m...	199	C9H10FNO3	1000116-17-4	38
4	Ethyl 4-amino-2-mercaptopyrimidi...	199	C7H9N3O2S	000774-07-2	38
5	Picramic acid	199	C6H5N3O5	000096-91-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

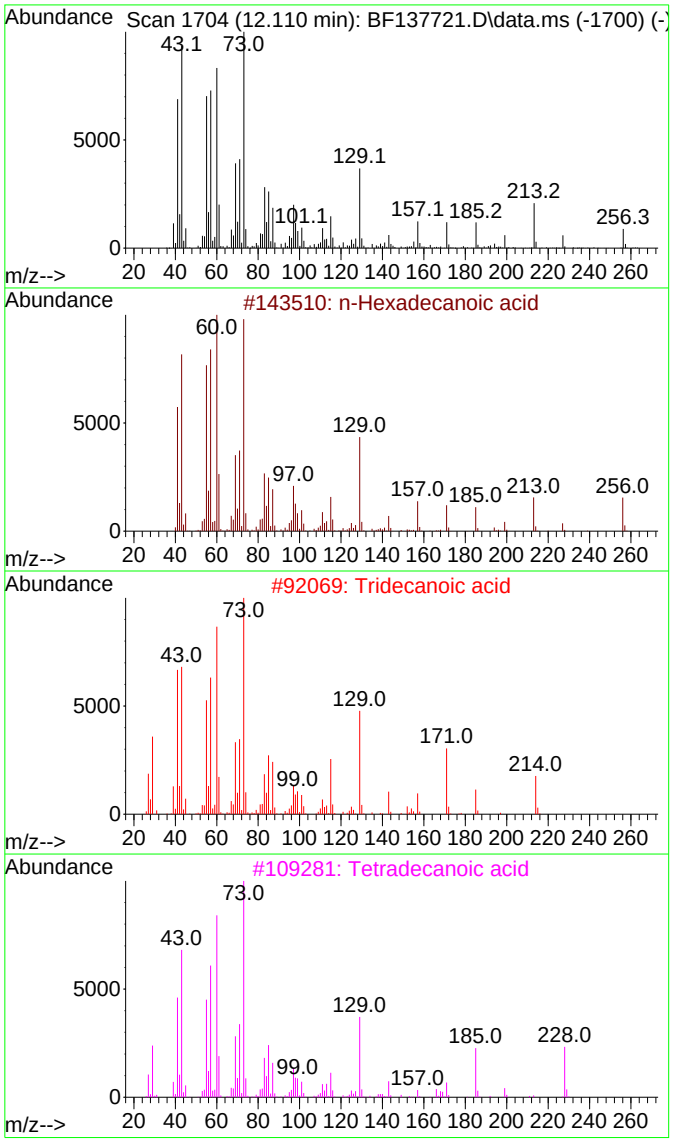
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

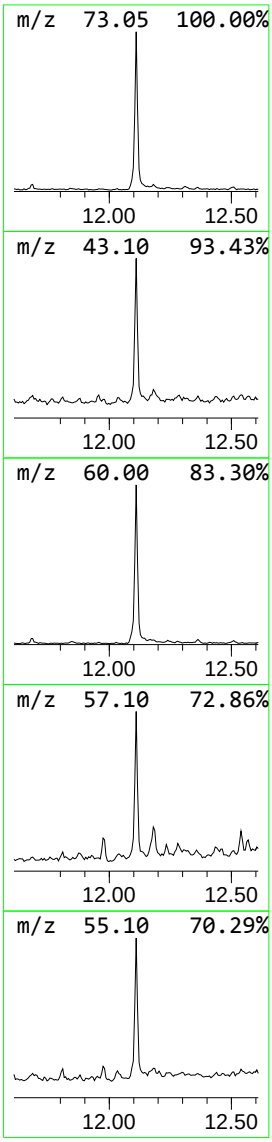
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	8.10 ng	946092	Phenanthrene-d10	11.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

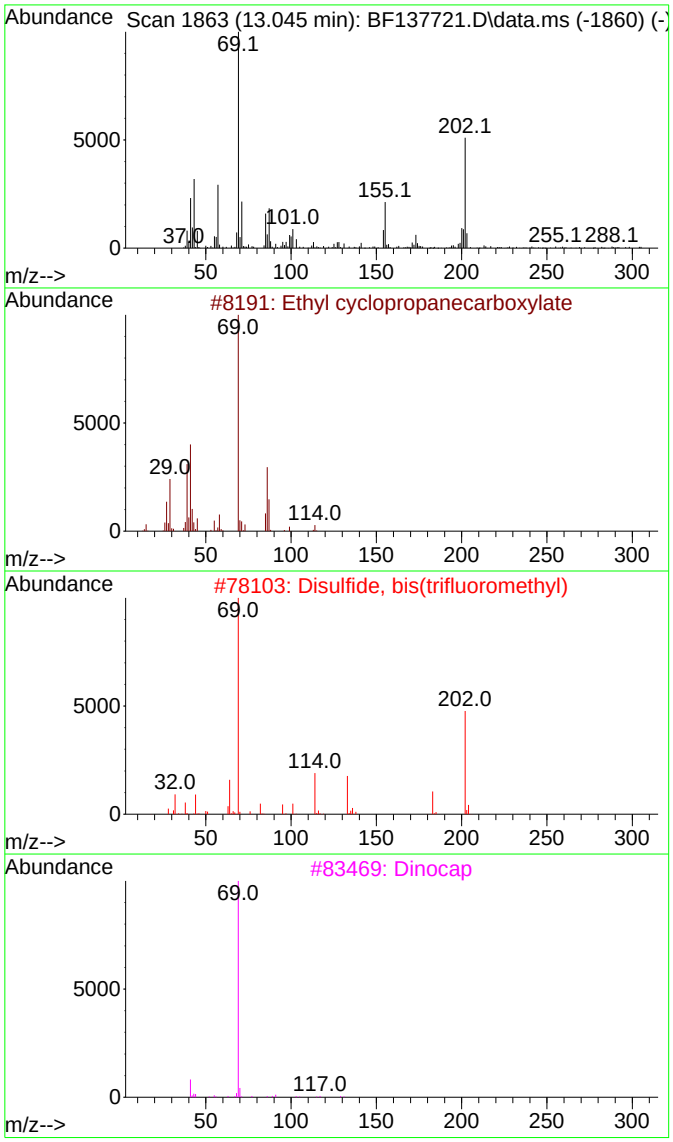
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

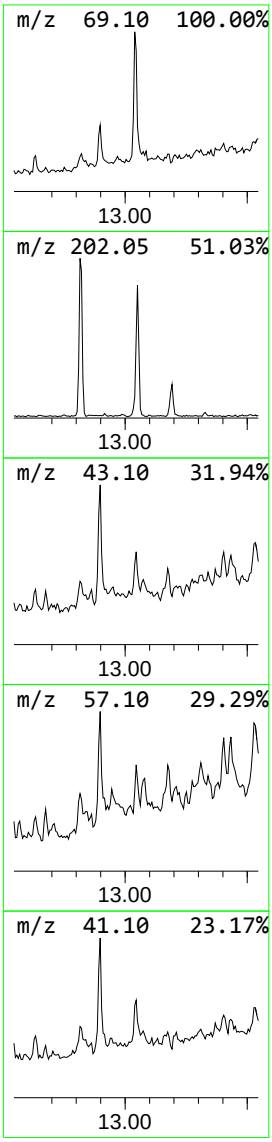
****

Peak Number 17 unknown13.045 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	4.46 ng	284321	Chrysene-d12	14.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
2	Disulfide, bis(trifluoromethyl)	202	C2F6S2	000372-64-5	38
3	Dinocap	207	C10H9NO4	039300-45-3	27
4	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	27
5	2,4-Dinitrophenyl crotonate	252	C10H8N2O6	069817-88-5	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

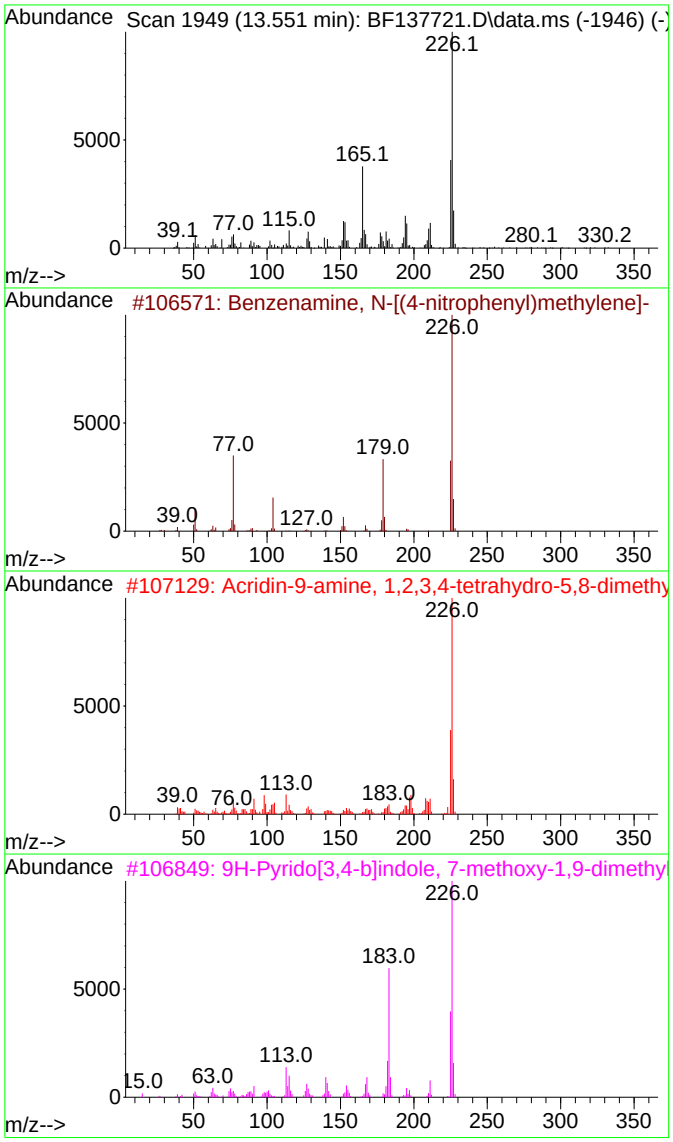
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

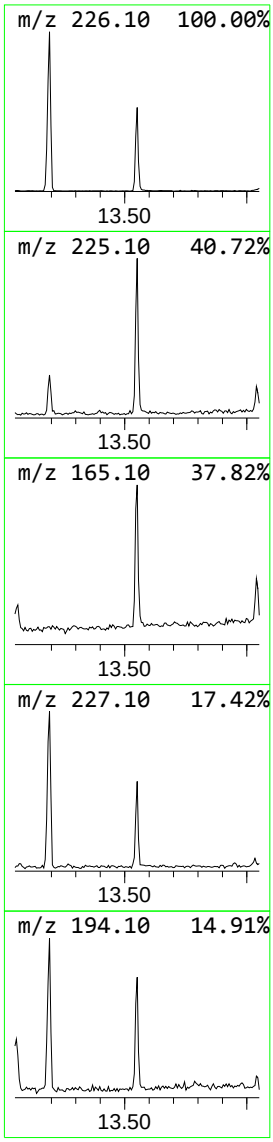
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzenamine, N-[(4-nitrophe... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	7.33 ng	467626	Chrysene-d12	14.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	70
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	64
3	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	62
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	52
5	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

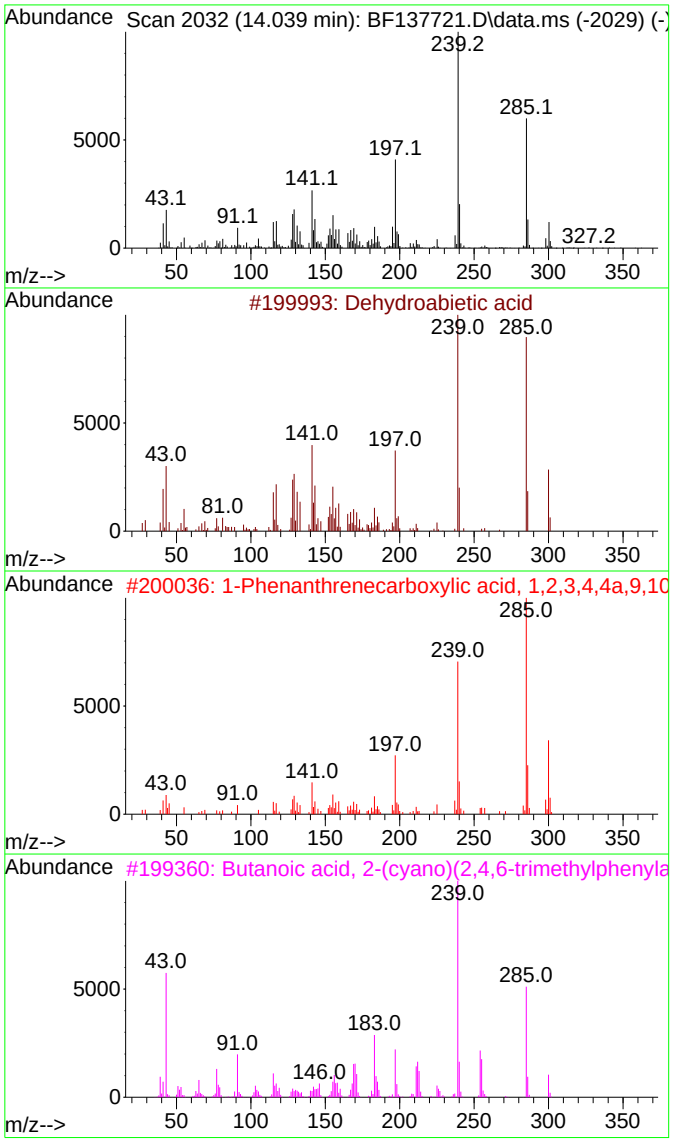
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

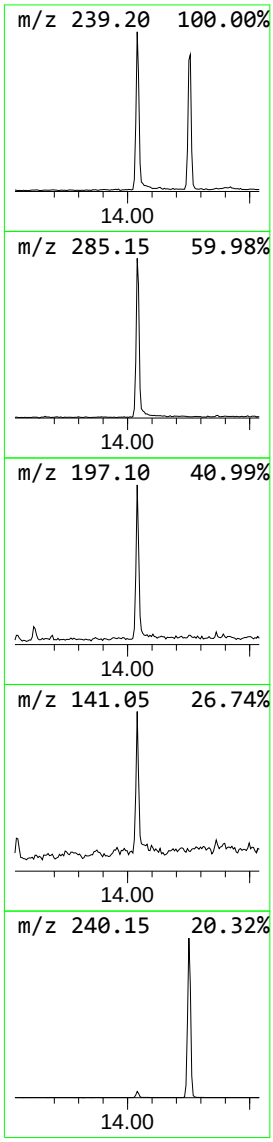
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Dehydroabietic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.039	10.17 ng	648742	Chrysene-d12	14.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	68
4	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	64
5	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

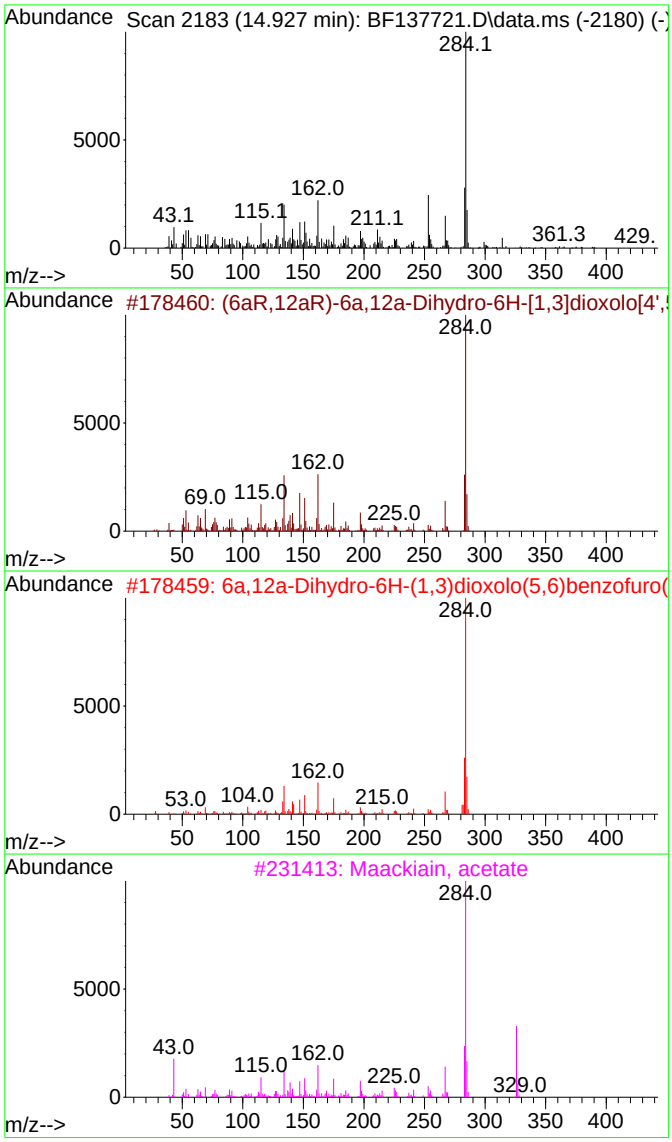
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

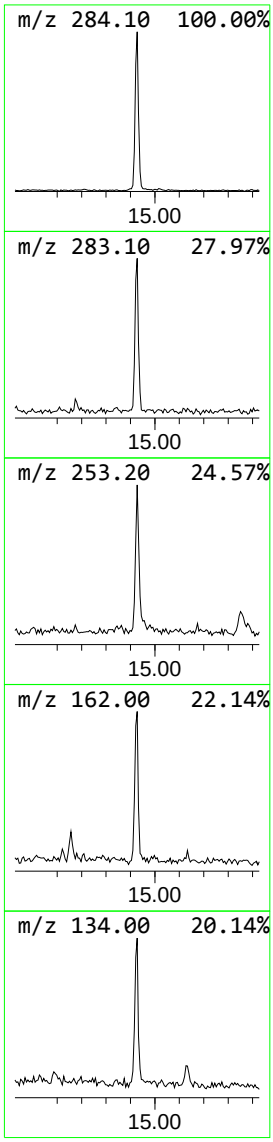
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (6aR,12aR)-6a,12a-Dihydro-6... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	6.35 ng	404687	Chrysene-d12	14.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(6aR,12aR)-6a,12a-Dihydro-6H-[1,...	284	C16H12O5	002035-15-6	97
2	6a,12a-Dihydro-6H-(1,3)dioxolo(5...	284	C16H12O5	076496-57-6	93
3	Maackiain, acetate	326	C18H14O6	002035-16-7	64
4	4-Amino-5-(4-nitrophenylazo)benz...	284	C12H8N6O3	166766-07-0	52
5	3-Hydroxy-2-(4-hydroxy-3-methoxy...	284	C16H12O5	159184-95-9	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137721.D
Acq On : 24 Apr 2024 16:39
Operator : CG\JU
Sample : P2226-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUND-WATER

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.446	20.9	ng	1691300	1	7.063	1620430	20.0
3-Penten-2-one,...	4.716	6.7	ng	542025	1	7.063	1620430	20.0
2-Pentanone, 4-...	5.310	49.1	ng	3981350	1	7.063	1620430	20.0
Butanoic acid, ...	5.769	18.8	ng	1519460	1	7.063	1620430	20.0
2-Pentanone, 4-...	6.081	4.9	ng	399538	1	7.063	1620430	20.0
Pentanoic acid,...	6.434	9.7	ng	789528	1	7.063	1620430	20.0
endo-Borneol	8.251	9.1	ng	1263810	2	8.345	2782780	20.0
Benzeneacetic acid	8.610	14.8	ng	2054530	2	8.345	2782780	20.0
Indole	8.975	4.2	ng	585332	2	8.345	2782780	20.0
Benzaldehyde, 4...	9.263	5.1	ng	608536	3	10.110	2402260	20.0
Benzaldehyde, 3...	9.563	35.6	ng	4281790	3	10.110	2402260	20.0
Apocynin	10.016	11.8	ng	1411090	3	10.110	2402260	20.0
7-Methoxymethyl...	10.363	8.0	ng	955664	3	10.110	2402260	20.0
Coniferyl aldehyde	11.239	4.9	ng	572156	4	11.604	2335100	20.0
unknown11.463	11.463	7.1	ng	826867	4	11.604	2335100	20.0
n-Hexadecanoic ...	12.110	8.1	ng	946092	4	11.604	2335100	20.0
unknown13.045	13.045	4.5	ng	284321	5	14.251	1275300	20.0
Benzenamine, N-...	13.551	7.3	ng	467626	5	14.251	1275300	20.0
Dehydroabietic ...	14.039	10.2	ng	648742	5	14.251	1275300	20.0
(6aR,12aR)-6a,1...	14.927	6.3	ng	404687	5	14.251	1275300	20.0