LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-228

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-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132727.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.210	441	446	458	rVB	1990785	2575218	51.63%	4.115%
2	5.610	509	514	517	rBV	4698302	4475417	89.73%	7.152%
3	5.992	575	579	584	rBV	76085	67034	1.34%	0.107%
4	6.610	679	684	687	rBV	4430157	4533318	90.89%	7.244%
5	6.975	743	746	750	rBV	1177840	1042259	20.90%	1.666%
6	7.545	838	843	846	rBV	3346974	2985445	59.85%	4.771%
7	8.263	961	965	968	rBV	1800397	1396150	27.99%	2.231%
8	9.339	1144	1148	1151	rBV	5971095	4987836	100.00%	7.971%
9	9.604	1189	1193	1197	rBV2	44587	61132	1.23%	0.098%
10	9.680	1202	1206	1208	rBV	113350	123484	2.48%	0.197%
11	9.886	1237	1241	1245	rBV2	156322	148265	2.97%	0.237%
12	10.022	1261	1264	1267	rVV	1790379	1461327	29.30%	2.335%
13	10.057	1267	1270	1273	rVB	195437	157270	3.15%	0.251%
14	10.180	1285	1291	1295	rBV4	39494	65951	1.32%	0.105%
15	10.222	1295	1298	1302	rVV2	87943	101678	2.04%	0.162%
16	10.263	1302	1305	1308	rVB	82352	67572	1.35%	0.108%
17	10.339	1314	1318	1320	rBV2	84570	89168	1.79%	0.142%
18	10.427	1329	1333	1340	rVB5	70232	129522	2.60%	0.207%
19	10.575	1354	1358	1363	rVB2	176891	190419	3.82%	0.304%
20	10.733	1379	1385	1388	rVB	226150	241628	4.84%	0.386%
21	10.816	1395	1399	1403	rBV	3037023	2863172	57.40%	4.575%
22	10.927	1413	1418	1425	rVB7	72060	173847	3.49%	0.278%
23	11.122	1446	1451	1454	rBV3	93199	125996	2.53%	0.201%
24	11.251	1468	1473	1475	rBV3	42909	70222	1.41%	0.112%
25	11.322	1482	1485	1490	rBV	123235	126550	2.54%	0.202%
26	11.416	1498	1501	1505	rVB	146983	126369	2.53%	0.202%
27	11.522	1515	1519	1521	rBV	1451803	1396332	27.99%	2.231%
28	11.545	1521	1523	1526	rVB	1803410	1345046	26.97%	2.149%
29	11.592	1526	1531	1534	rBV	337443	305902	6.13%	0.489%
30	11.751	1554	1558	1563	rBV	116432	142066	2.85%	0.227%
31	11.810	1566	1568	1571	rVV	89302	86626	1.74%	0.138%
32	11.851	1572	1575	1579	rVB2	147924	140175	2.81%	0.224%
33	11.933	1587	1589	1592	rVB	65573	66447	1.33%	0.106%
34	12.021	1601	1604	1607	rBV2	485112	623838	12.51%	0.997%
35	12.051	1607	1609	1613	rVV	585443	478249	9.59%	0.764%
36	12.098	1614	1617	1620	rVV	168999	145882	2.92%	0.233%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.133	1620	1623	1626	rVV2	552391	684215	13.72%	1.093%
38	12.157	1626	1627	1632	rVB	354969	246373	4.94%	0.394%
39	12.257	1641	1644	1646	rBV2	82513	83373	1.67%	0.133%
40	12.316	1651	1654	1657	rVV	255157	249669	5.01%	0.399%
41	12.351	1657	1660	1665	rVB	210131	218052	4.37%	0.348%
42	12.469	1678	1680	1682	rVB	97452	68731	1.38%	0.110%
43	12.498	1683	1685	1687	rVB	123620	85650	1.72%	0.137%
44	12.521	1687	1689	1692	rVB2	99888	90854	1.82%	0.145%
45	12.574	1692	1698	1701	rBV	350536	413722	8.29%	0.661%
46	12.616	1702	1705	1707	rVV2	152908	175262	3.51%	0.280%
47	12.633	1707	1708	1710	rVB	129455	66052	1.32%	0.106%
48	12.663	1710	1713	1717	rBV2	235410	286814	5.75%	0.458%
49	12.745	1723	1727	1730	rBV	1896464	1809338	36.28%	2.891%
50	12.804	1735	1737	1739	rVV	125722	98142	1.97%	0.157%
51	12.833	1739	1742	1745	rVB3	139491	150171	3.01%	0.240%
52	12.898	1750	1753	1755	rVB	100193	85887	1.72%	0.137%
53	12.974	1760	1766	1771	rVB	2621164	2632240	52.77%	4.206%
54	13.021	1771	1774	1777	rBV2	148569	155560	3.12%	0.249%
55	13.110	1785	1789	1792	rBV	4172537	3718405	74.55%	5.942%
56	13.192	1799	1803	1810	rBV3	249957	450395	9.03%	0.720%
57	13.245	1810	1812	1814	rVV2	76172	64089	1.28%	0.102%
58	13.280	1814	1818	1819	rVV3	254537	287708	5.77%	0.460%
59	13.298	1819	1821	1824	rVB	353426	383329	7.69%	0.613%
60	13.368	1831	1833	1834	rBV2	220533	167038	3.35%	0.267%
61	13.386	1834	1836	1838	rVV	384222	353768	7.09%	0.565%
62	13.410	1838	1840	1847	rVB2	502261	588758	11.80%	0.941%
63	13.504	1853	1856	1858	rBV	362811	325980	6.54%	0.521%
64	13.533	1858	1861	1864	rVB	324463	294062	5.90%	0.470%
65	13.615	1872	1875	1878	rVB2	81925	90380	1.81%	0.144%
66	13.686	1883	1887	1890	rBV	591588	570906	11.45%	0.912%
67	13.751	1896	1898	1901	rVB4	76676	58257	1.17%	0.093%
68	13.786	1902	1904	1906	rBV2	64827	59996	1.20%	0.096%
69	13.815	1906	1909	1913	rVB	300165	305112	6.12%	0.488%
70	13.874	1917	1919	1922	rVB	91504	73325	1.47%	0.117%
71	13.927	1923	1928	1931	rBV3	334242	450754	9.04%	0.720%
72	13.957	1931	1933	1935	rVB	257239	187273	3.75%	0.299%
73	13.980	1935	1937	1938	rBV	284143	219384	4.40%	0.351%
74	13.998	1938	1940	1943	rVV3	138824	122955	2.47%	0.196%
75	14.098	1955	1957	1961	rVB	84078	86942	1.74%	0.139%
76	14.139	1961	1964	1966	rBV	518826	457705	9.18%	0.731%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.174	1966	1970	1974	rVV2	1673926	2726978	54.67%	4.358%
78	14.210	1974	1976	1982	rVB	1249136	1084898	21.75%	1.734%
79	14.268	1982	1986	1988	rBV	495123	485080	9.73%	0.775%
80	14.410	2006	2010	2012	rBV2	92567	128635	2.58%	0.206%
81	14.439	2012	2015	2018	rBV	130689	124941	2.50%	0.200%
82	14.533	2028	2031	2032	rBV2	131372	121712	2.44%	0.194%
83	14.568	2032	2037	2040	rVV	475595	503879	10.10%	0.805%
84	14.604	2040	2043	2046	rVV	224109	204807	4.11%	0.327%
85	14.698	2056	2059	2061	rBV	278602	234873	4.71%	0.375%
86	14.721	2061	2063	2066	rVB3	189678	151805	3.04%	0.243%
87	15.262	2151	2155	2159	rBV	1075897	1803213	36.15%	2.882%
88	15.380	2172	2175	2188	rVB	249485	370321	7.42%	0.592%
89	15.592	2206	2211	2217	rVB	668968	893705	17.92%	1.428%
90	15.657	2217	2222	2227	rBV	886603	1130179	22.66%	1.806%
91	15.721	2228	2233	2237	rVV	781544	1088891	21.83%	1.740%
92	15.757	2237	2239	2246	rVB2	209704	314416	6.30%	0.502%
93	16.186	2308	2312	2317	rVB3	106689	167907	3.37%	0.268%
94	17.303	2497	2502	2508	rBV2	263275	499540	10.02%	0.798%
95	17.792	2579	2585	2596	rVB	233719	508920	10.20%	0.813%

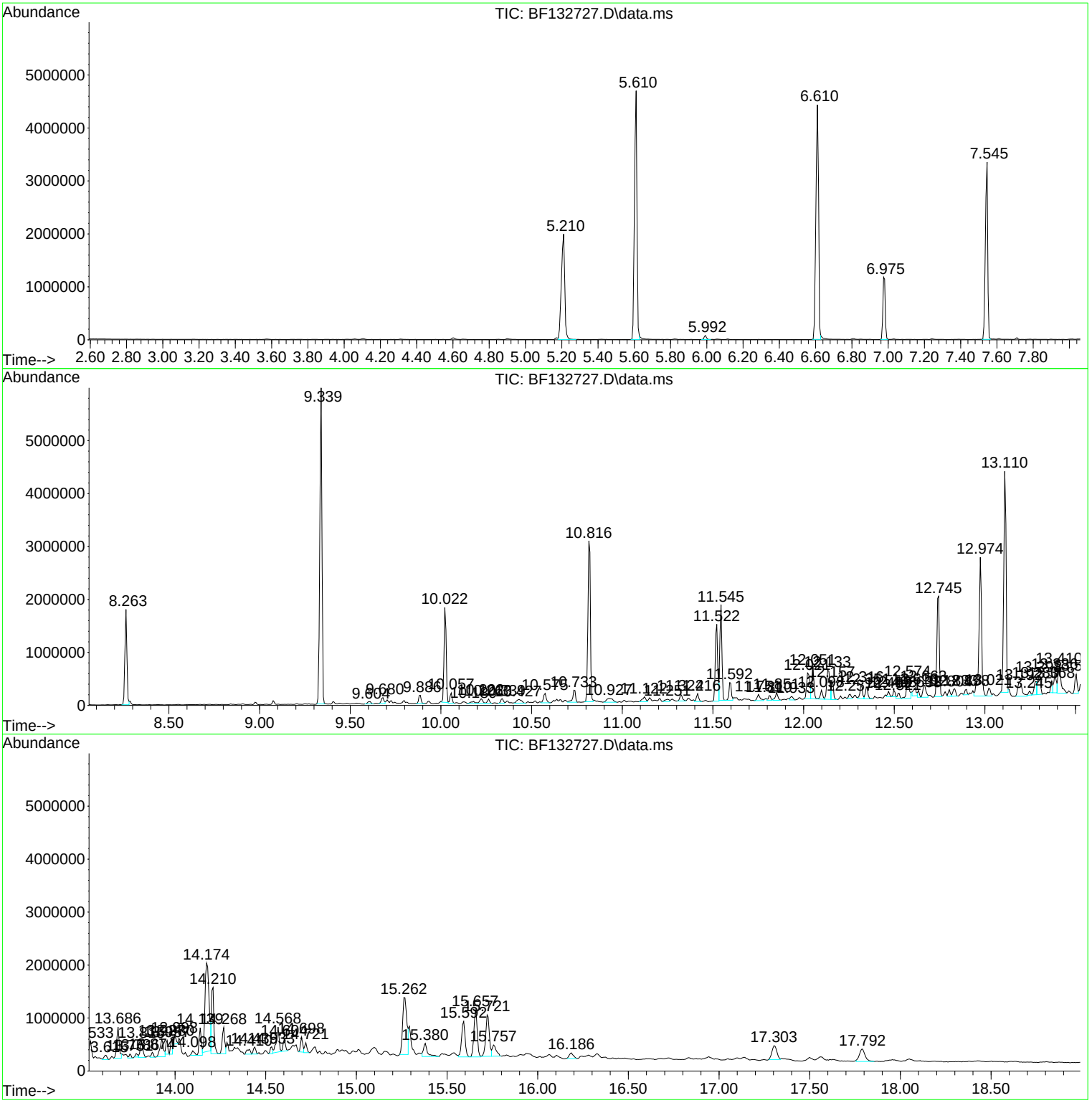
Sum of corrected areas: 62578138

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

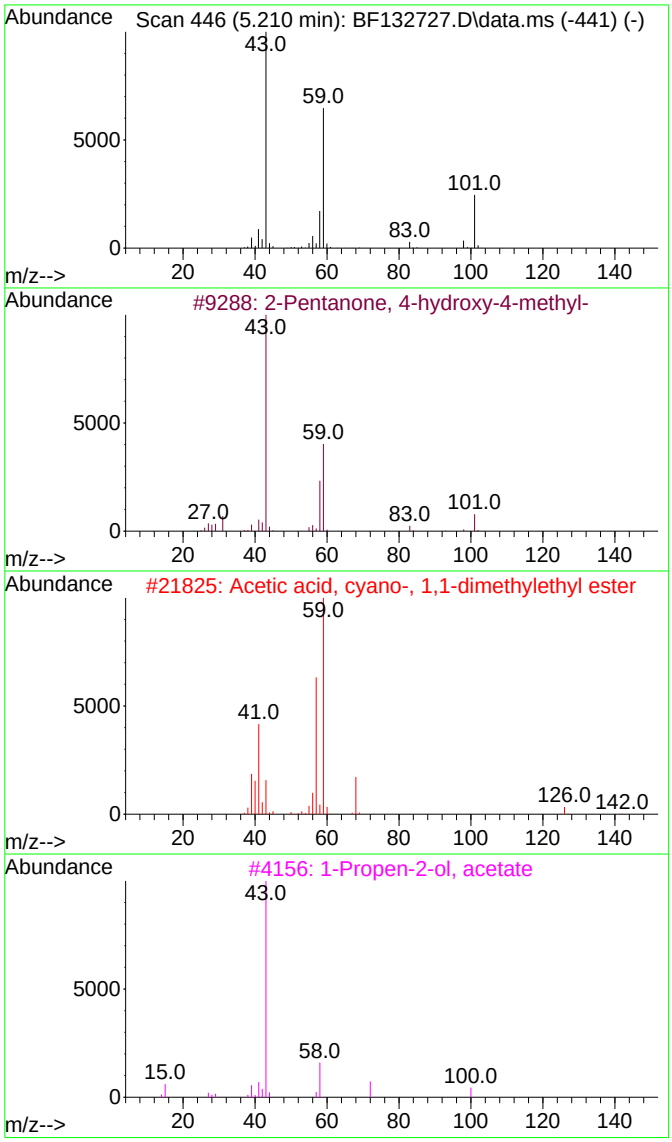
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

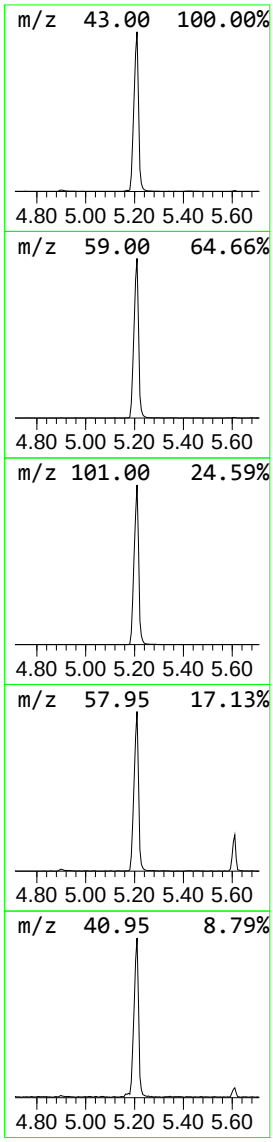
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.210	49.42 ng	2575220	1,4-Dichlorobenzene-d4	6.981

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

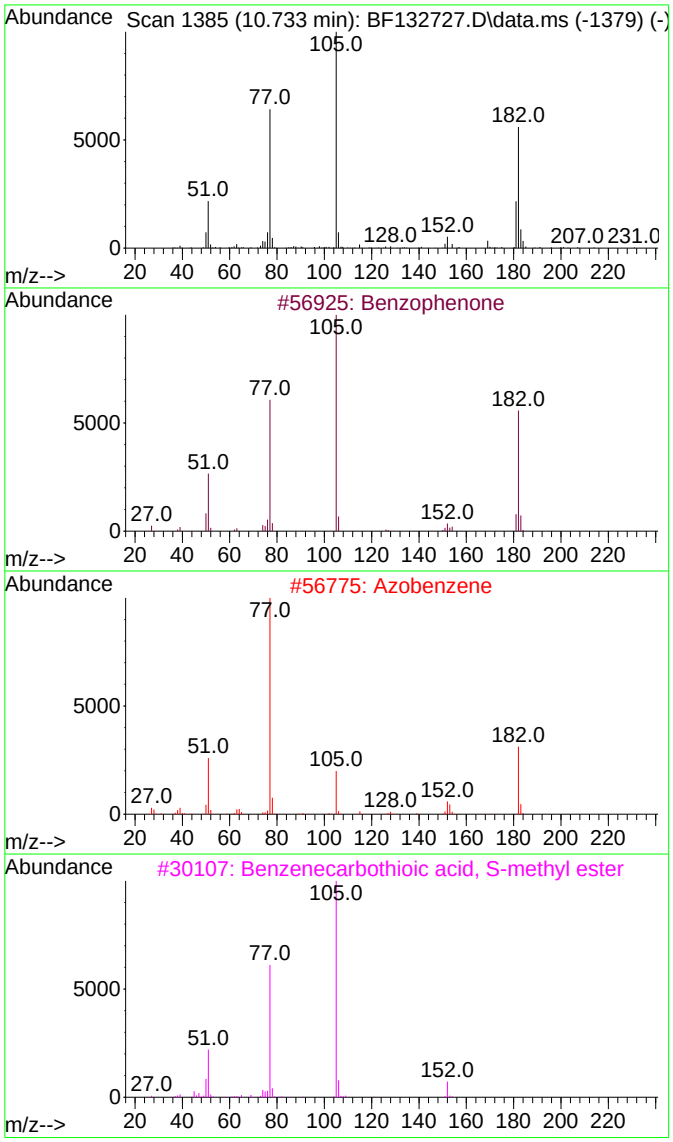
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

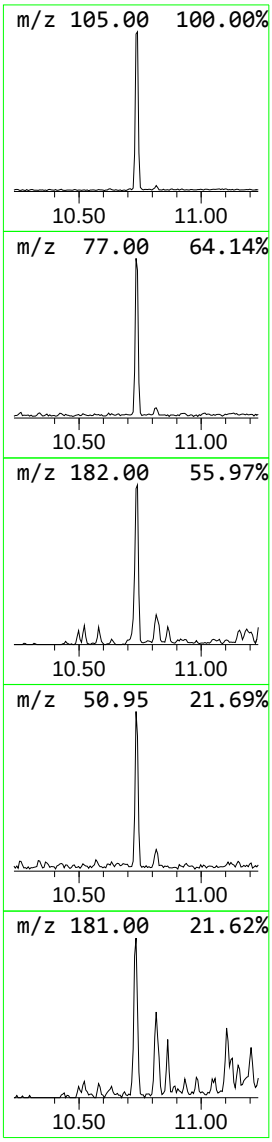
****

Peak Number 2 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.733	3.31 ng	241628	Acenaphthene-d10	10.022

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	.beta.-Benzilmonoxime	225	C14H11NO2	014090-77-8	43
5	N-[2,2-Dichloro-1-(toluene-4-sul...	371	C16H15Cl2NO3S	136800-77-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

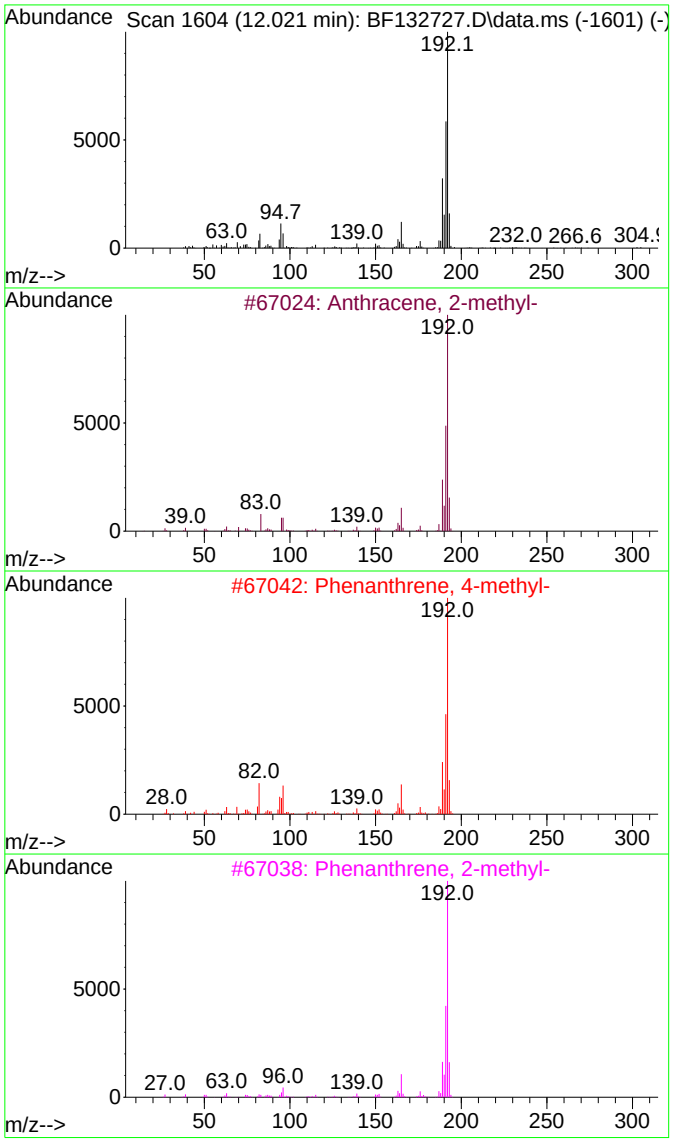
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

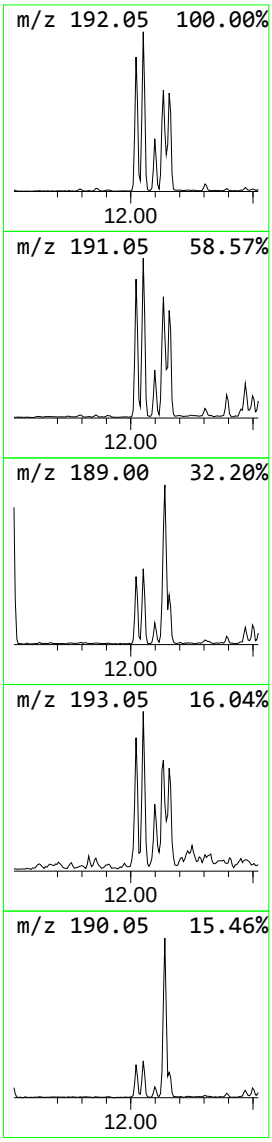
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	8.94 ng	623838	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

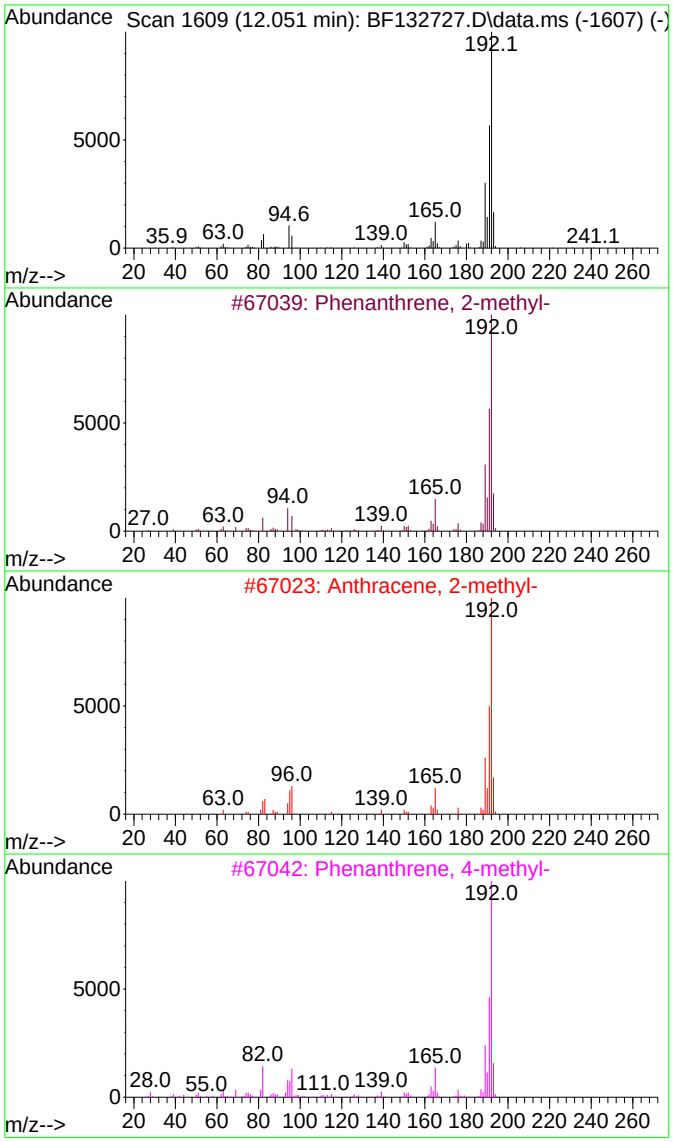
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

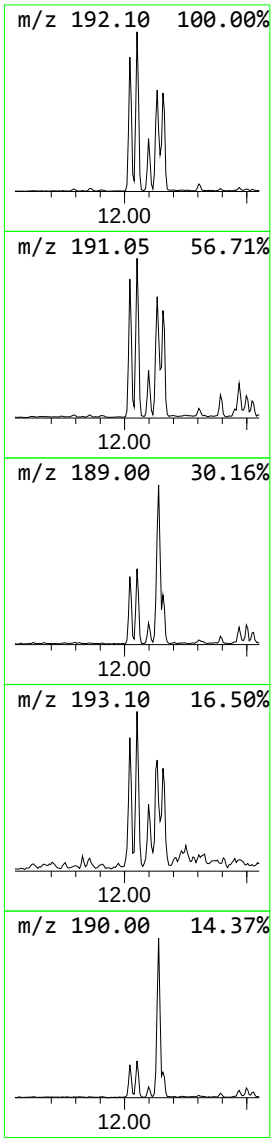
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	6.85 ng	478249	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

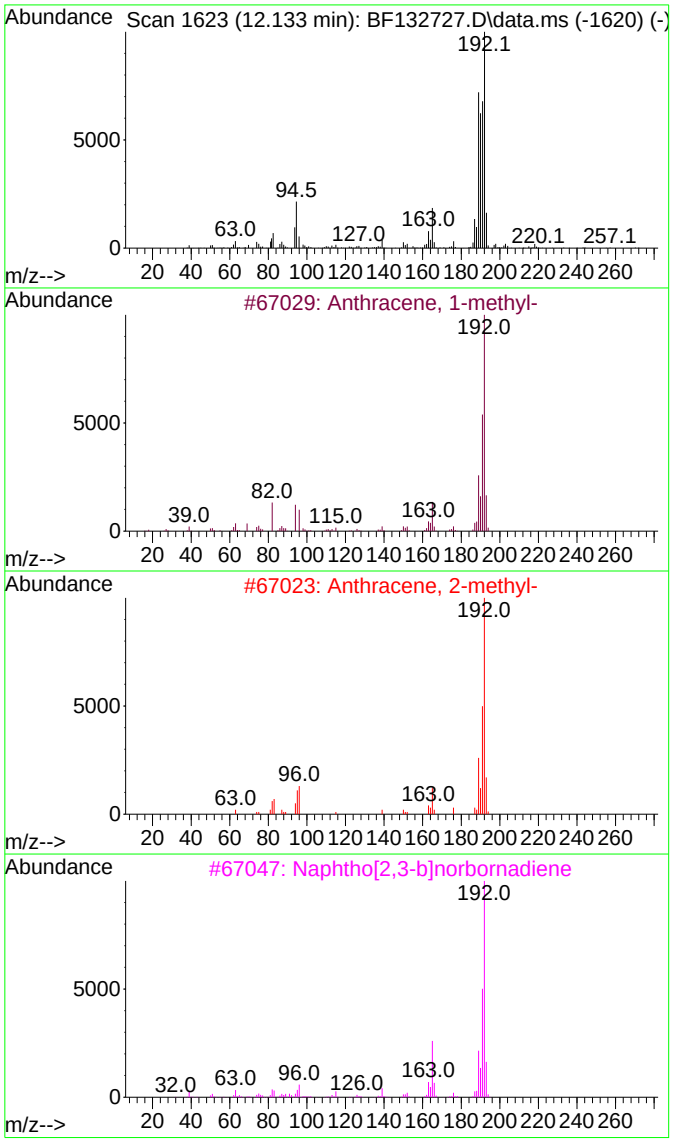
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

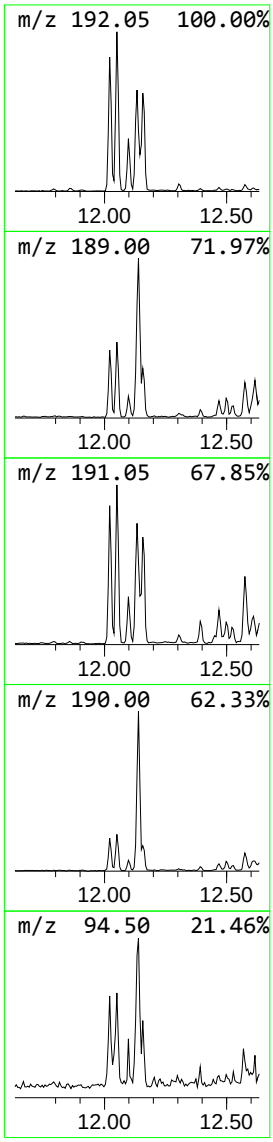
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	9.80 ng	684215	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

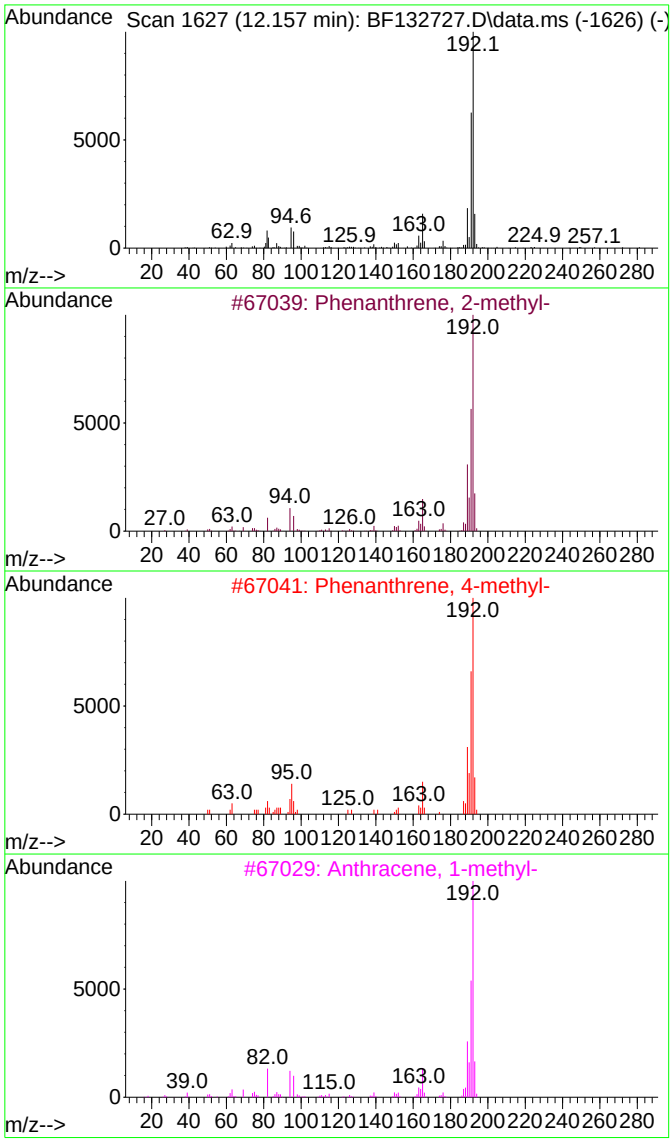
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

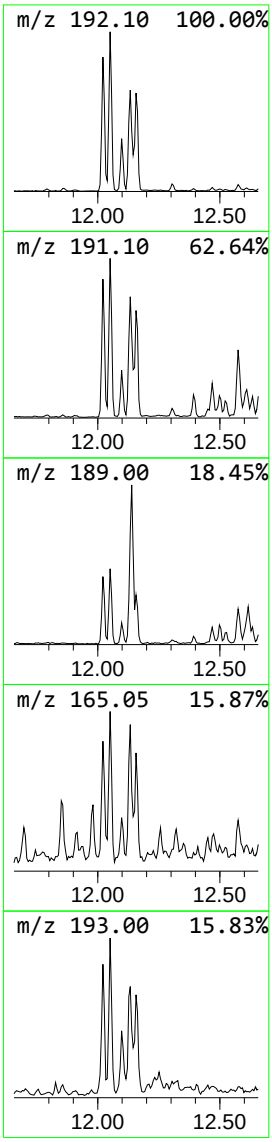
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	3.53 ng	246373	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

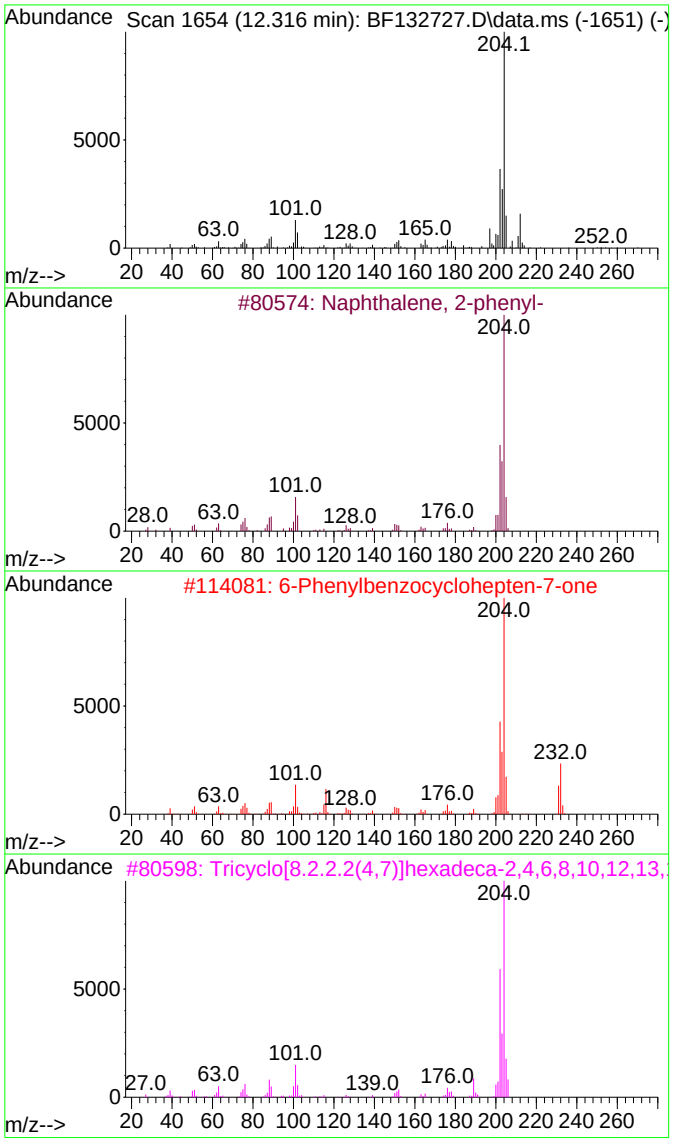
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

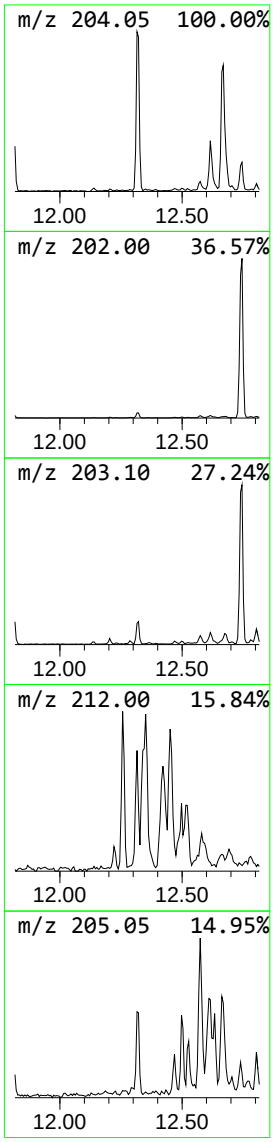
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.316	3.58 ng	249669	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	52
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

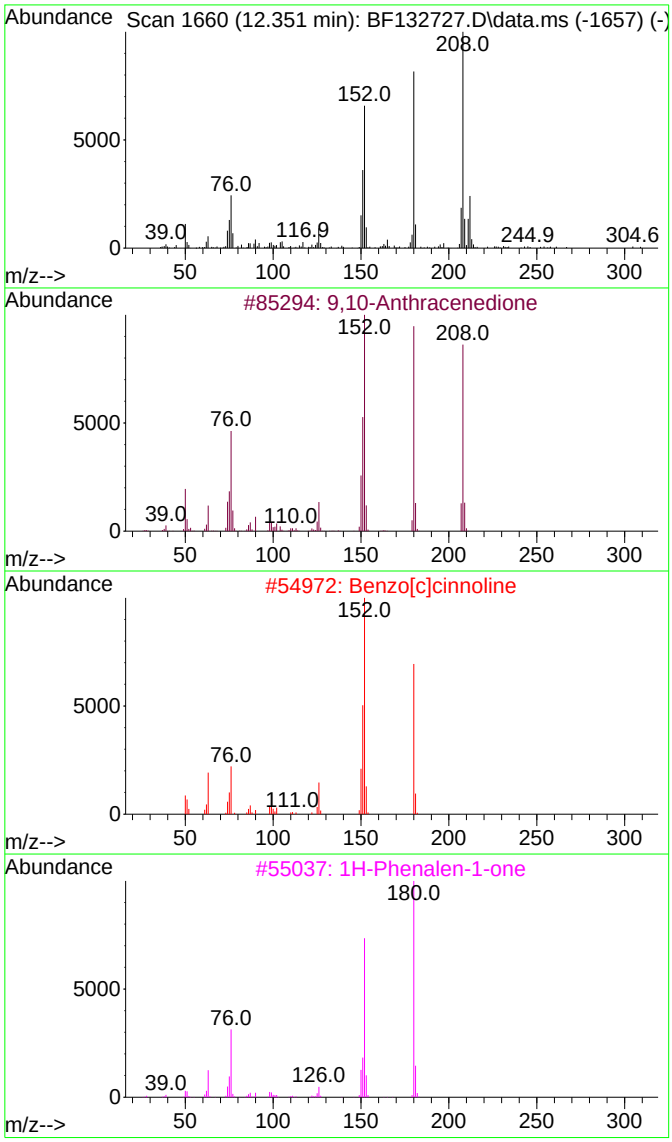
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

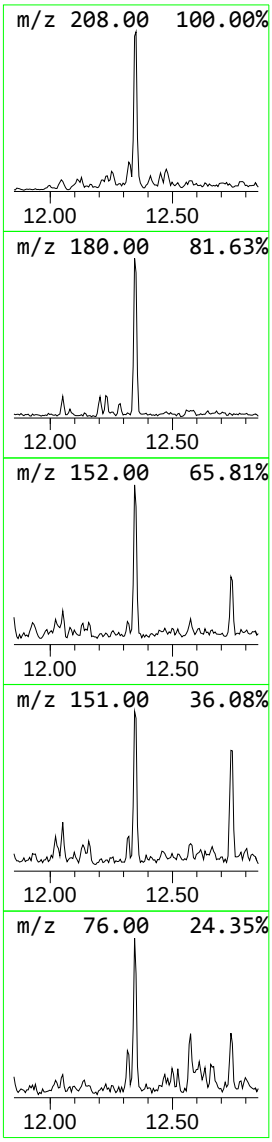
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.351	3.12 ng	218052	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

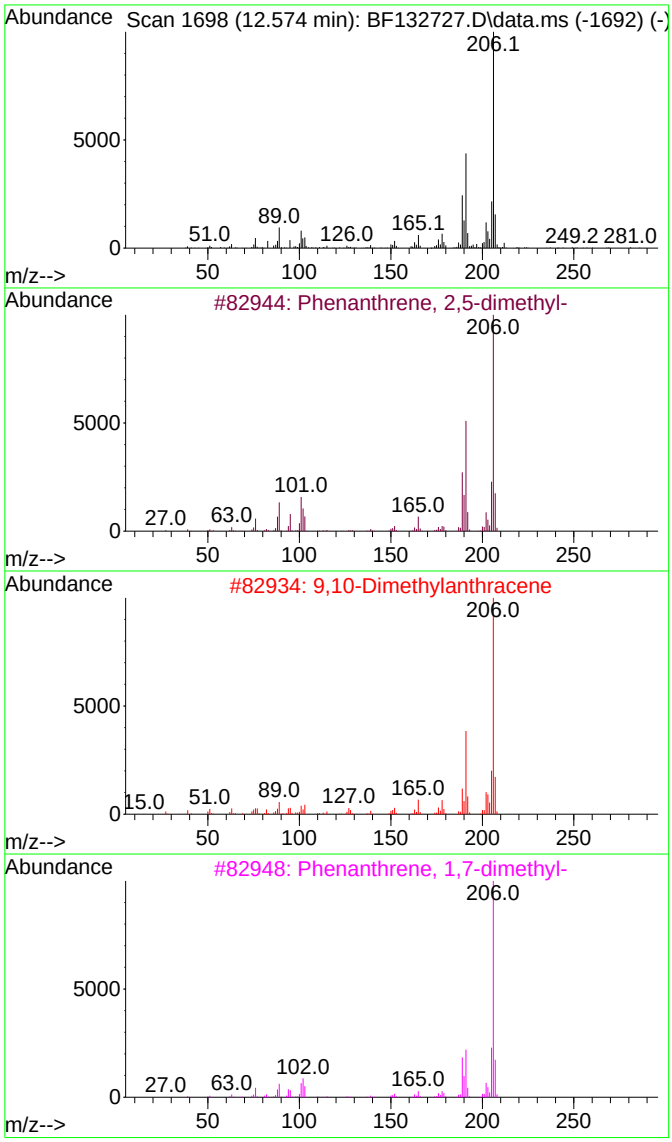
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

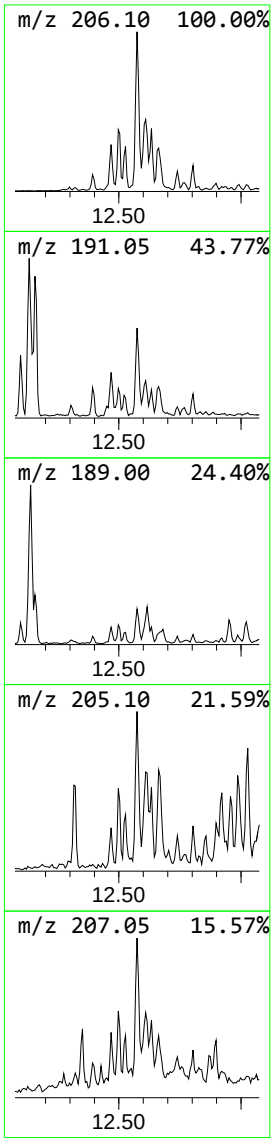
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	5.93 ng	413722	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

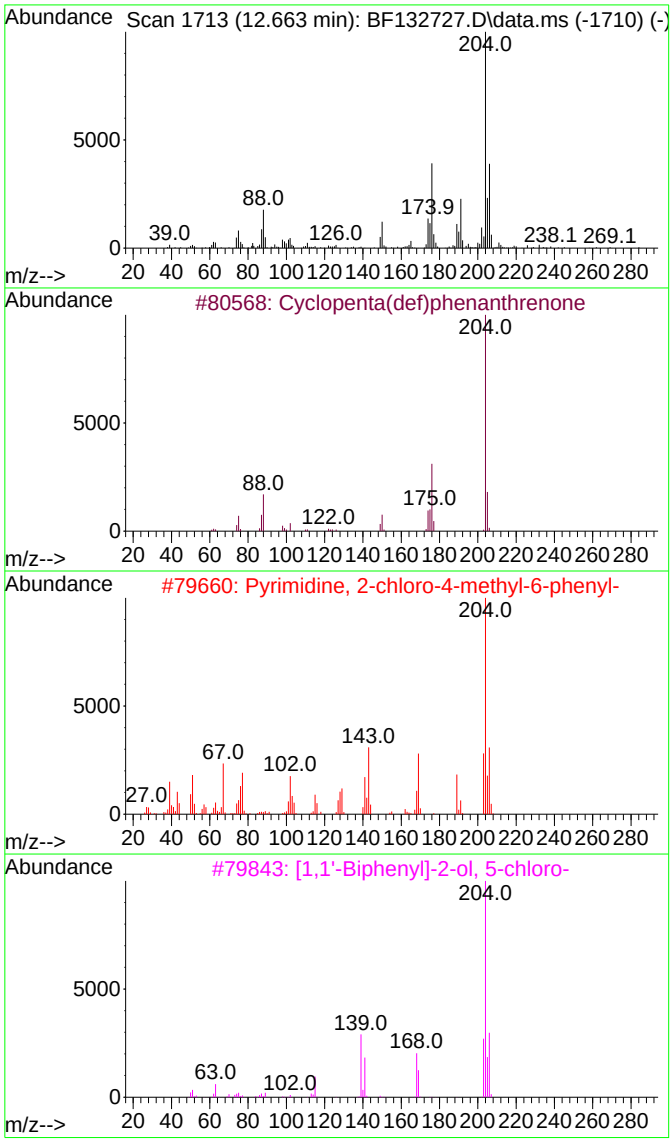
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

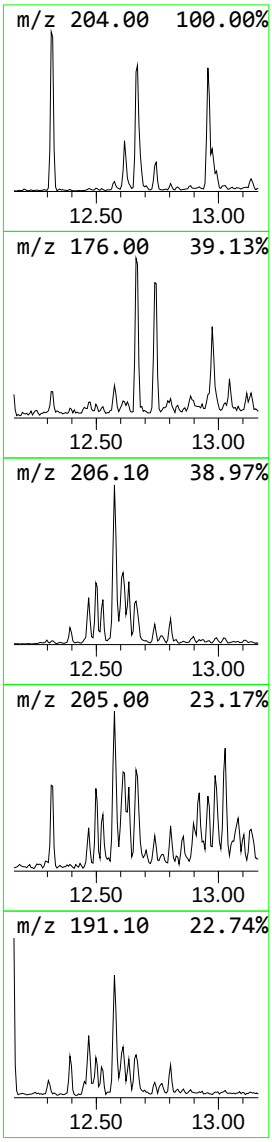
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	4.11 ng	286814	Phenanthrene-d10	11.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

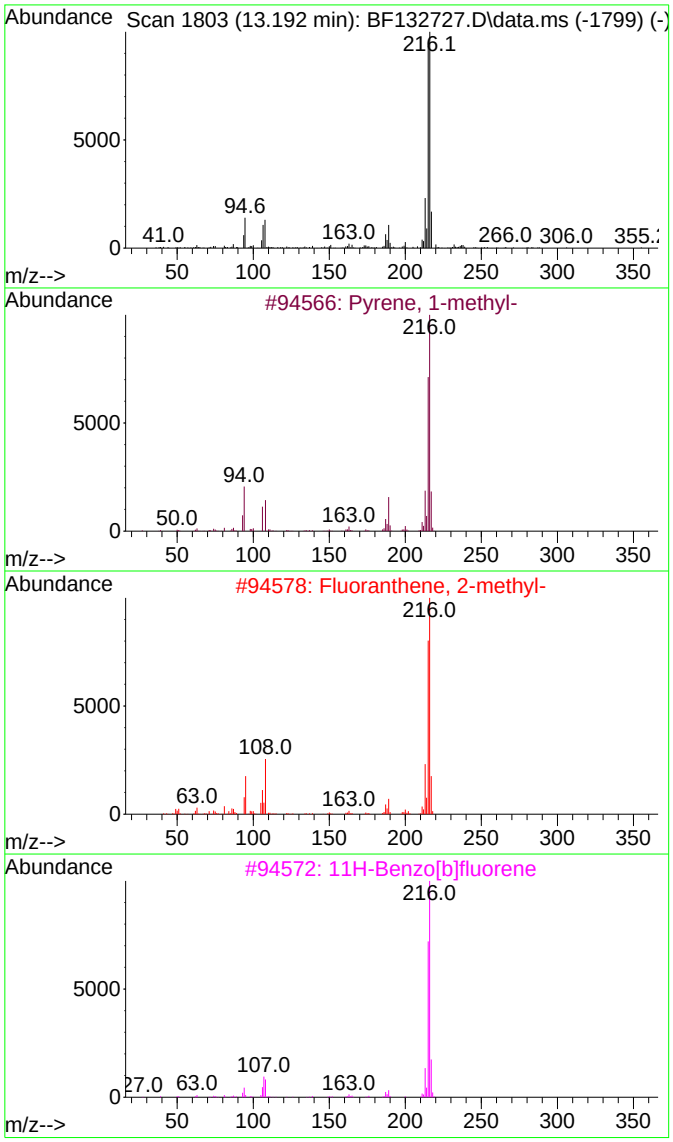
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

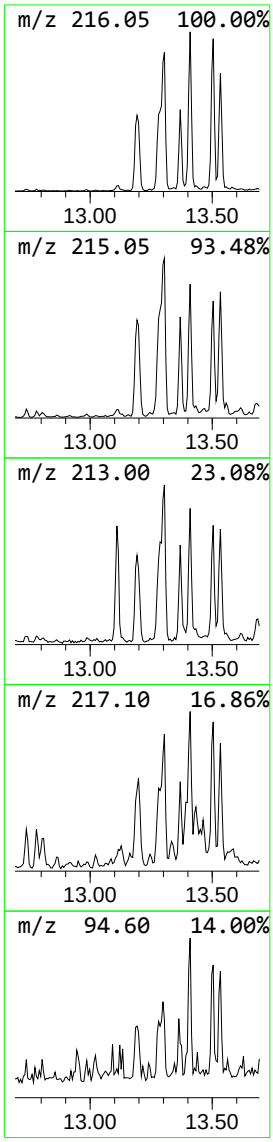
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.30 ng	450395	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

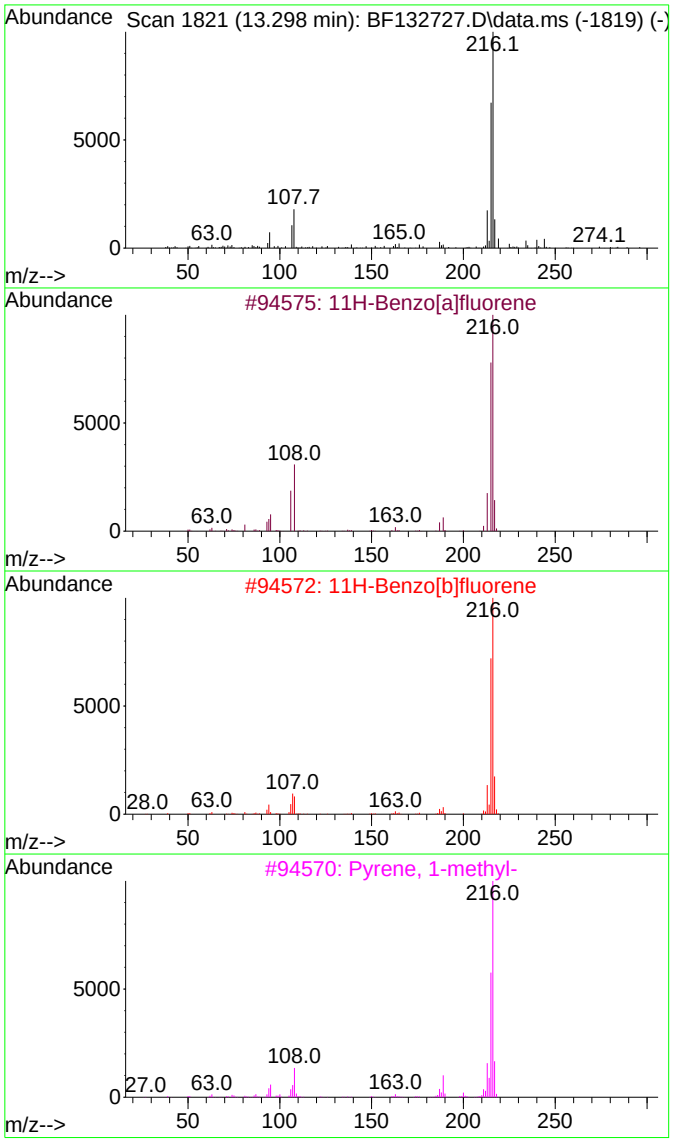
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

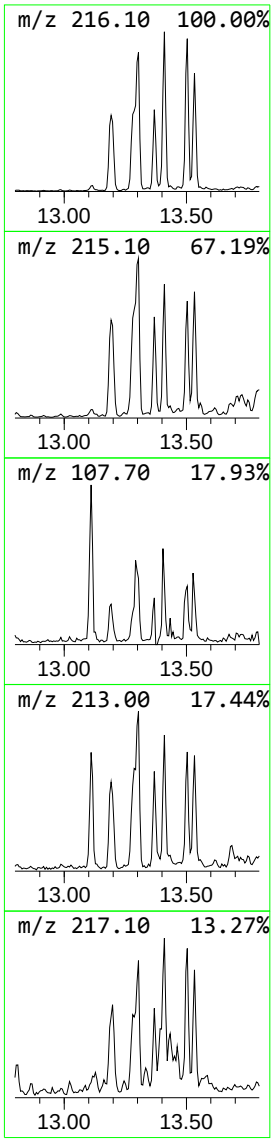
****

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	2.81 ng	383329	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

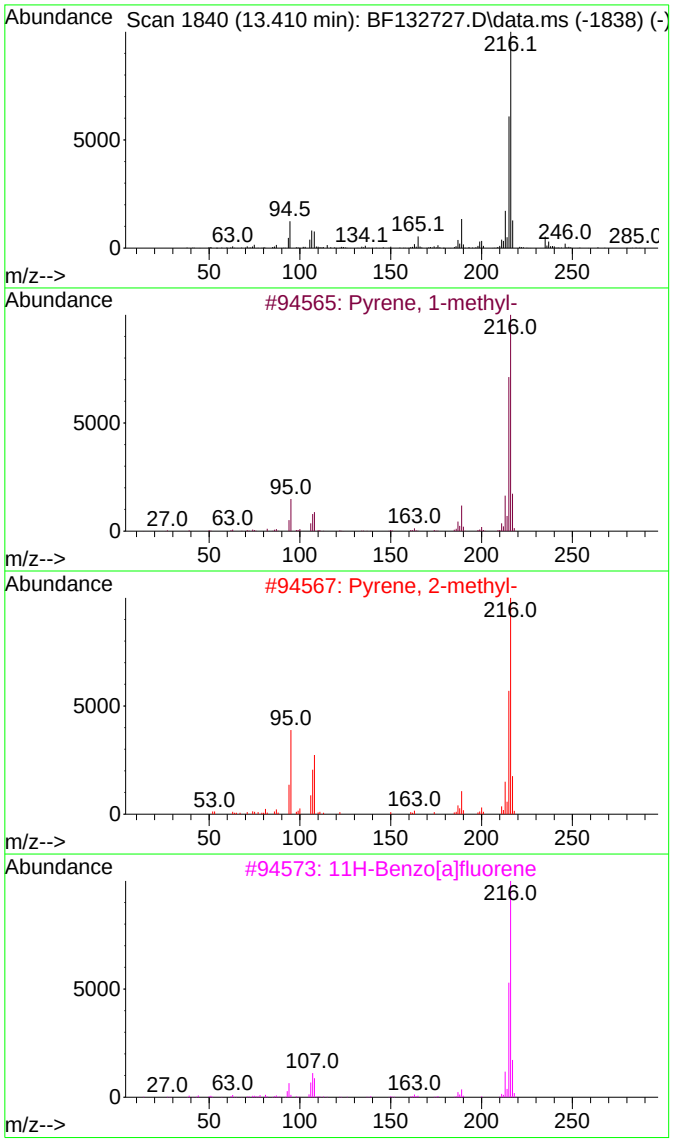
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

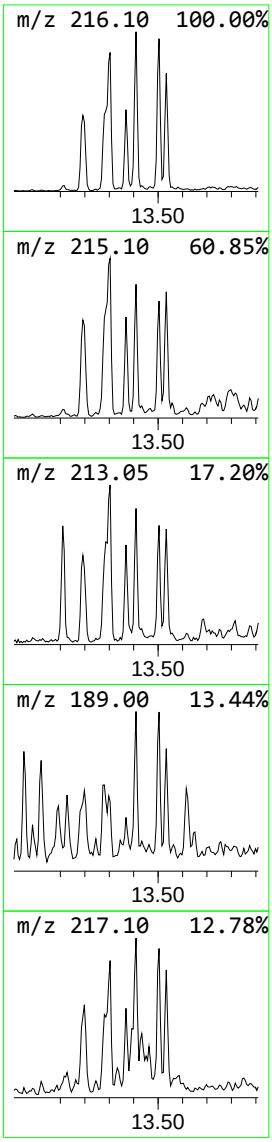
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.410	4.32 ng	588758	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

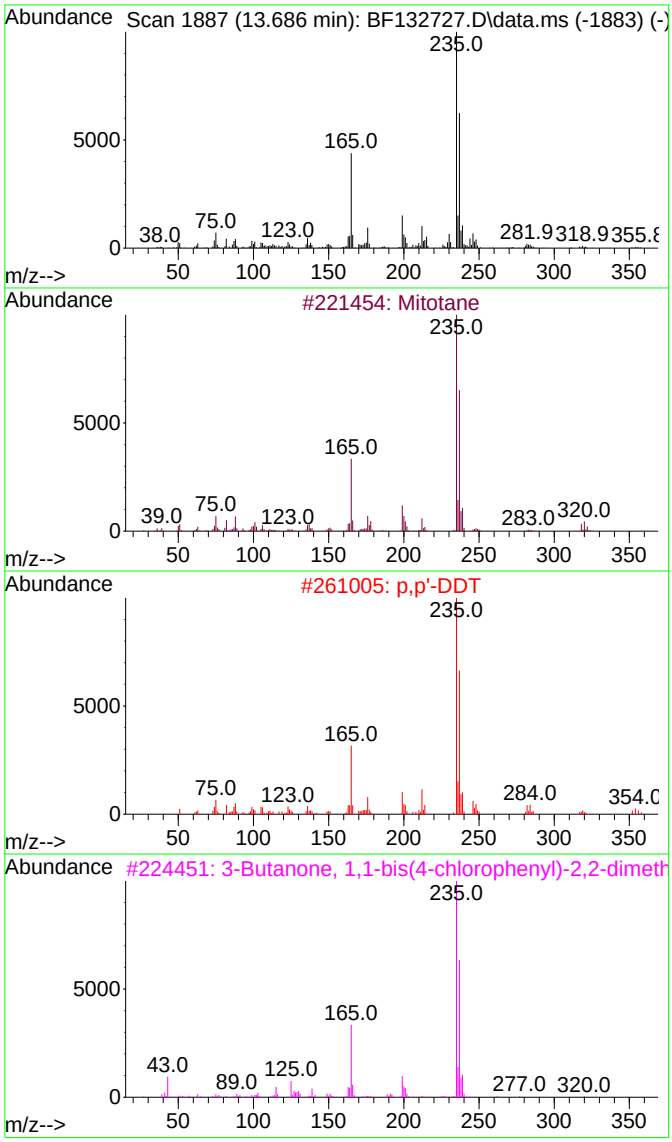
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

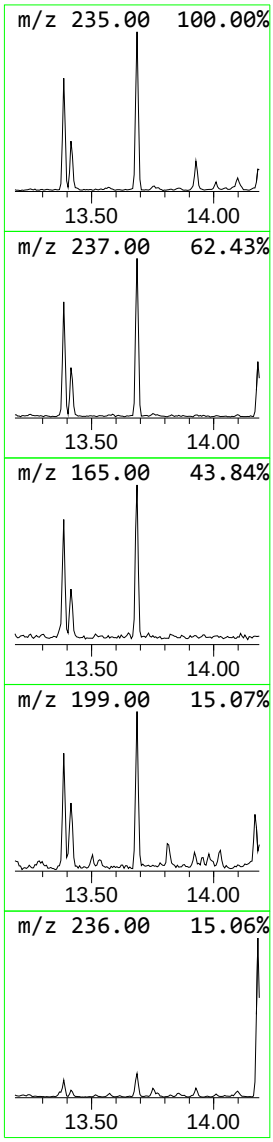
****

Peak Number 14 Mitotane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.686	4.19 ng	570906	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mitotane	318	C14H10Cl4	000053-19-0	97
2	p,p'-DDT	352	C14H9Cl5	000050-29-3	94
3	3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	94
4	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
5	m,p'-DDD	318	C14H10Cl4	004329-12-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

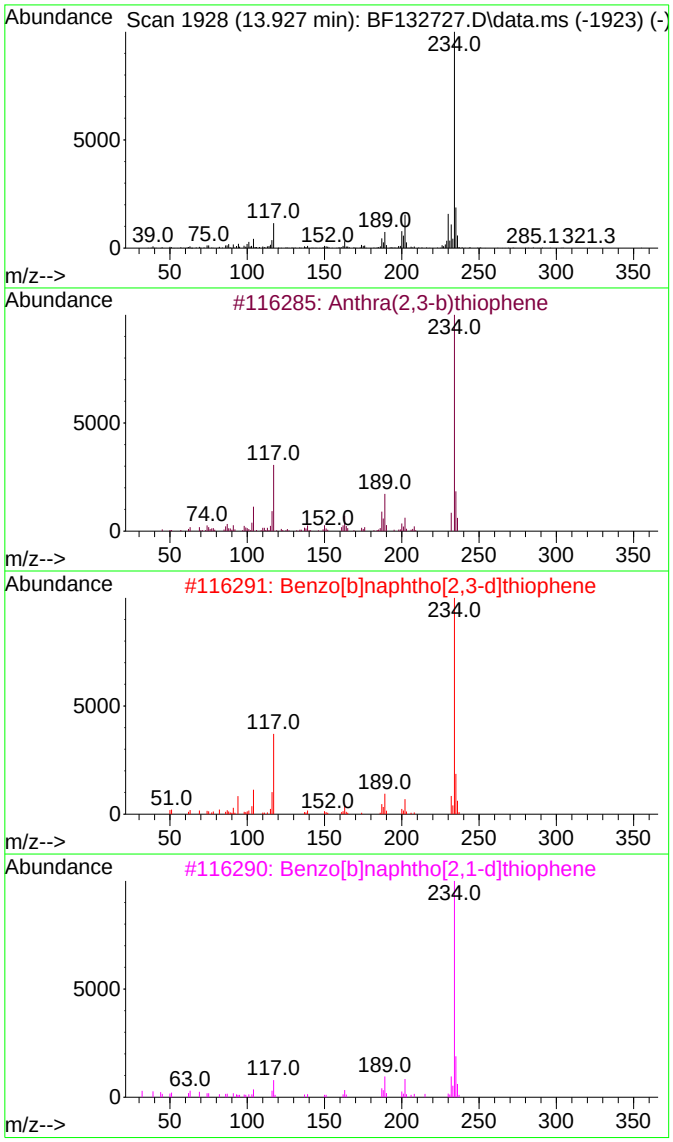
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

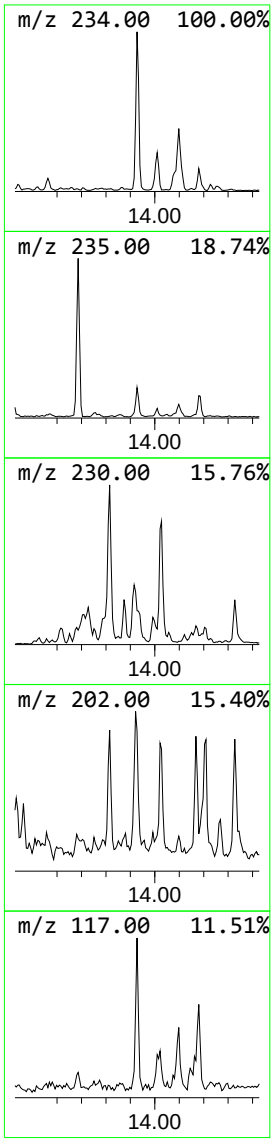
****

Peak Number 15 Anthra(2,3-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.927	3.31 ng	450754	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

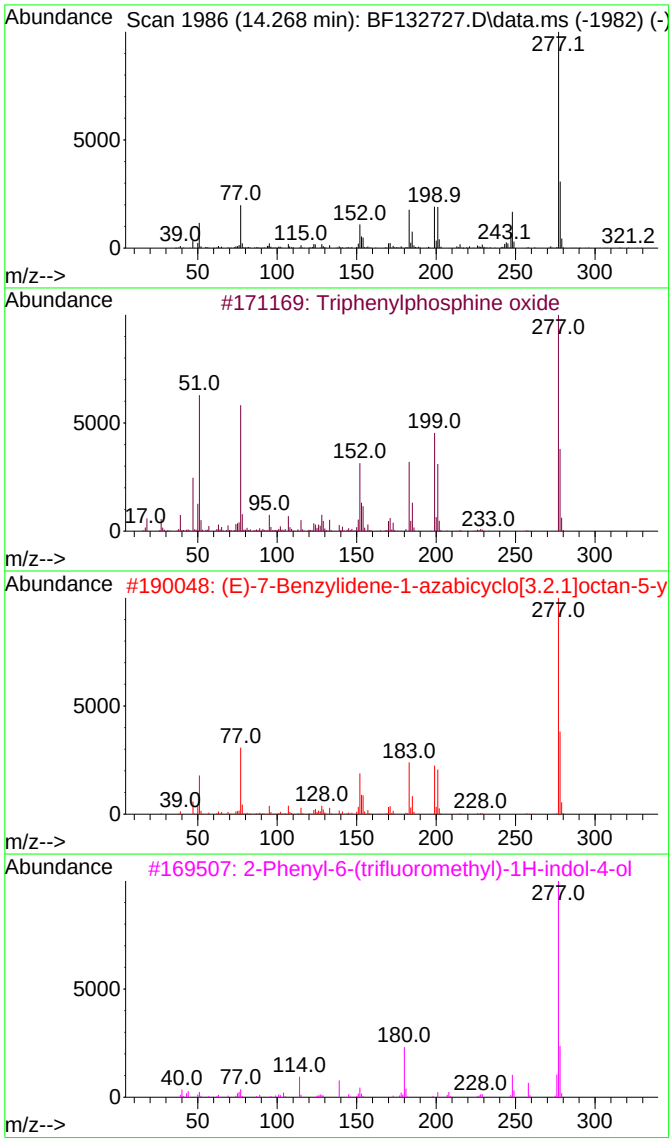
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

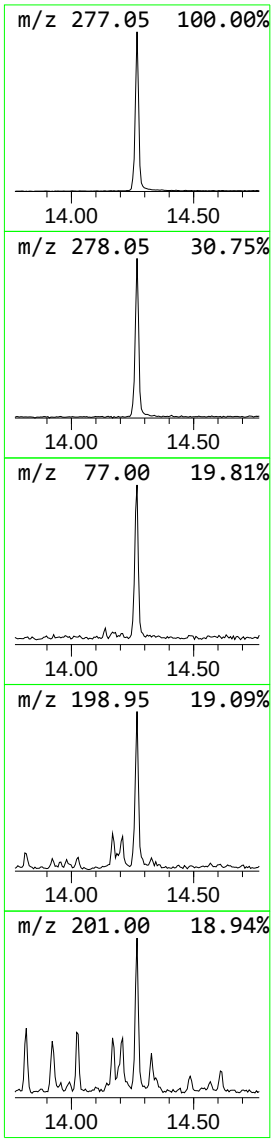
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Triphenylphosphine oxide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	3.56 ng	485080	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	90
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	72
3	2-Phenyl-6-(trifluoromethyl)-1H-...	277	C15H10F3NO	1000387-59-3	46
4	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	42
5	Carbazol-1-one, 1,2,3,4-tetrahyd...	277	C18H15NO2	299962-12-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

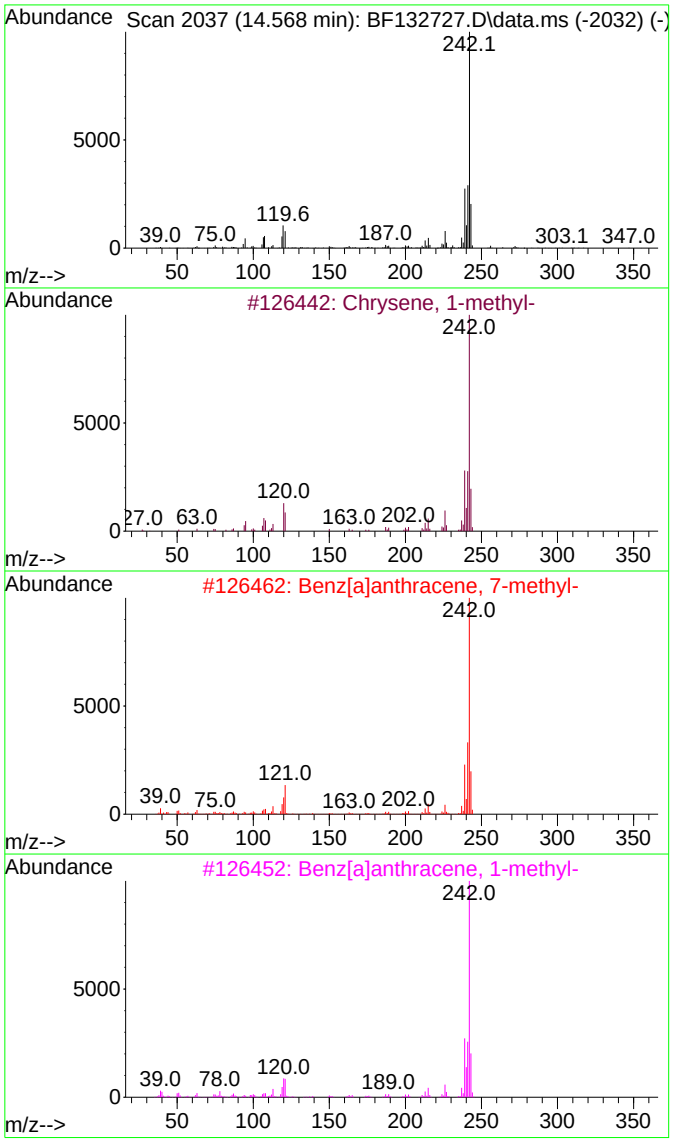
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

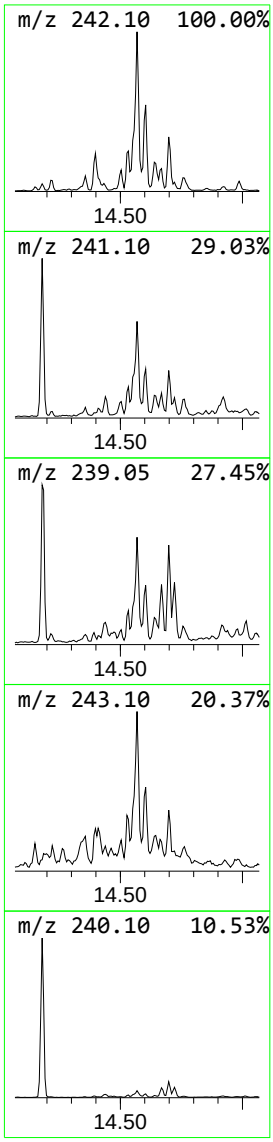
****

Peak Number 17 Chrysene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.568	3.70 ng	503879	Chrysene-d12	14.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

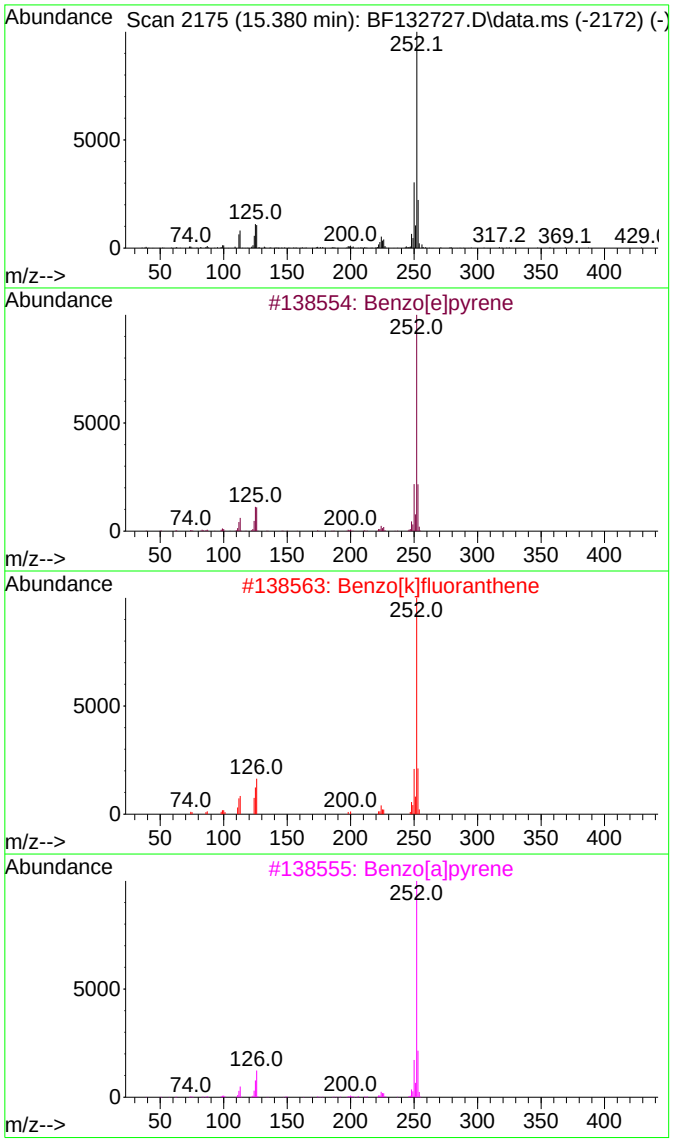
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

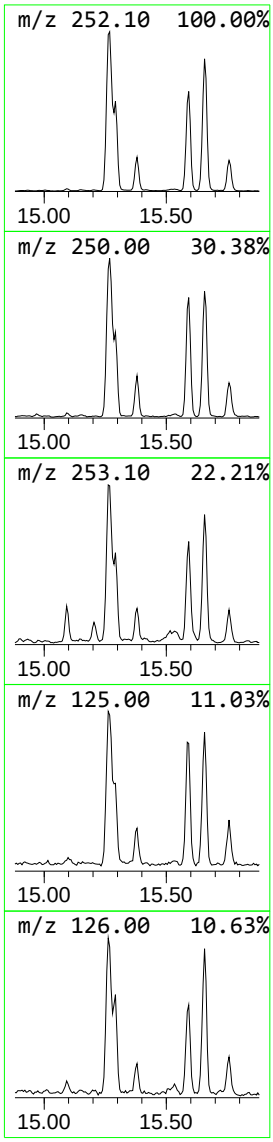
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	6.80 ng	370321	Perylene-d12	15.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

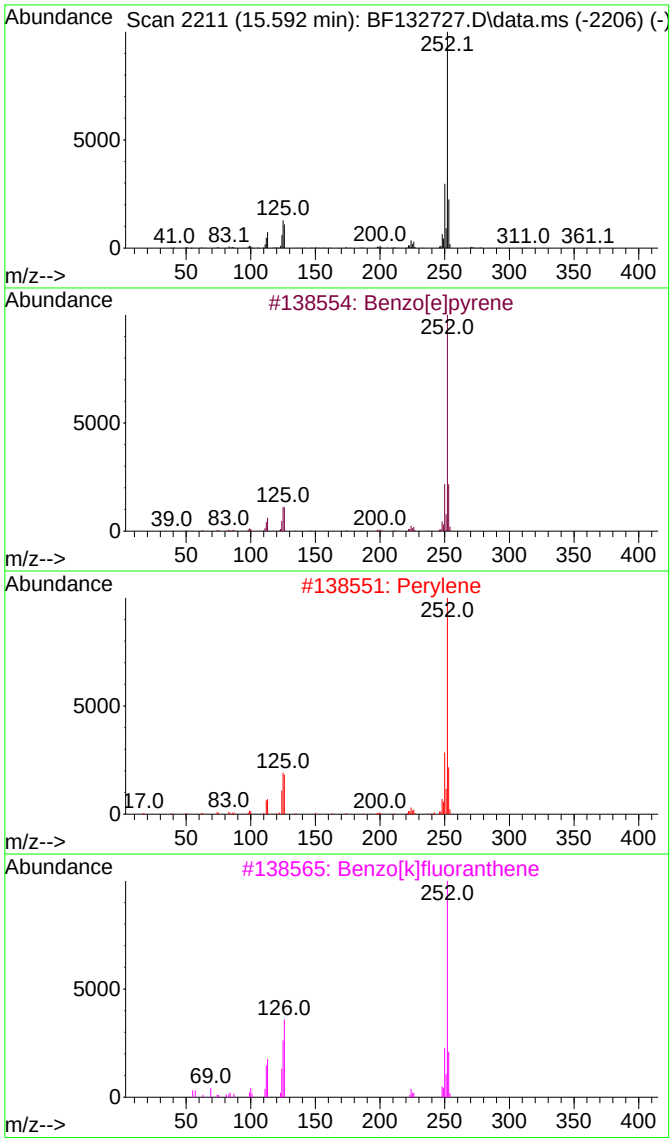
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

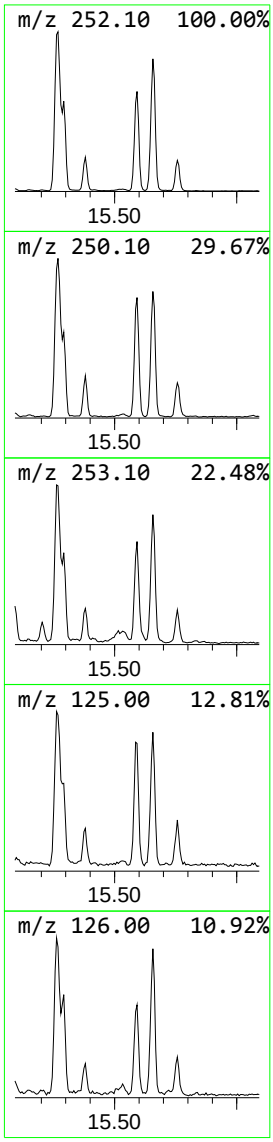
****

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.592	16.41 ng	893705	Perylene-d12	15.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

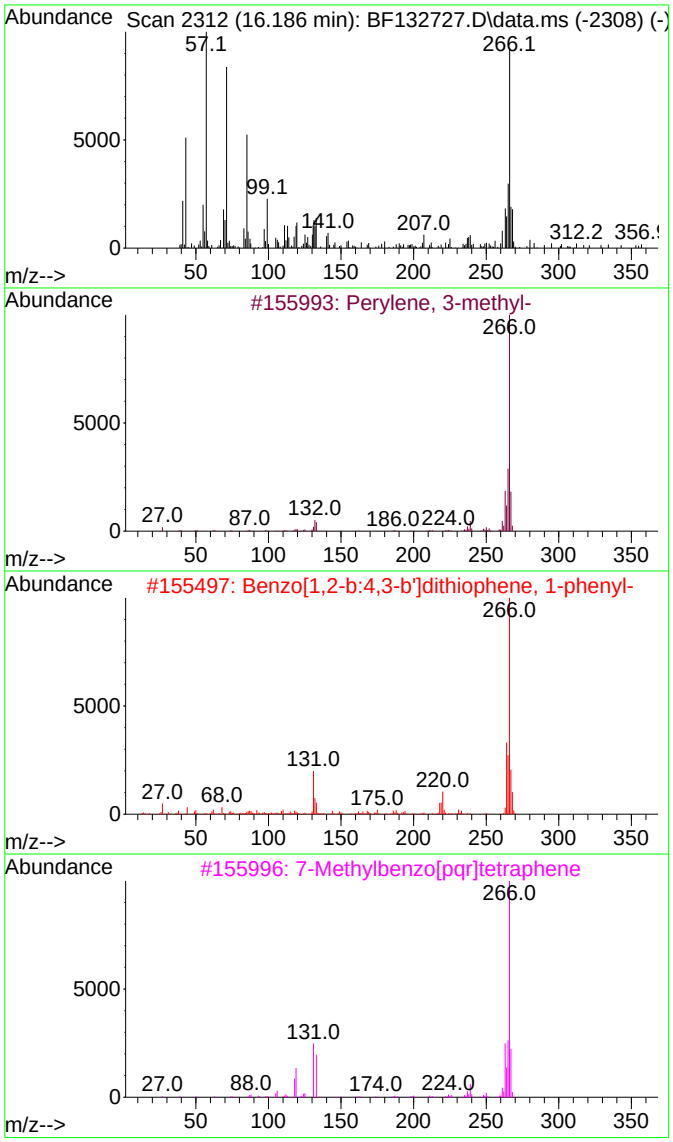
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

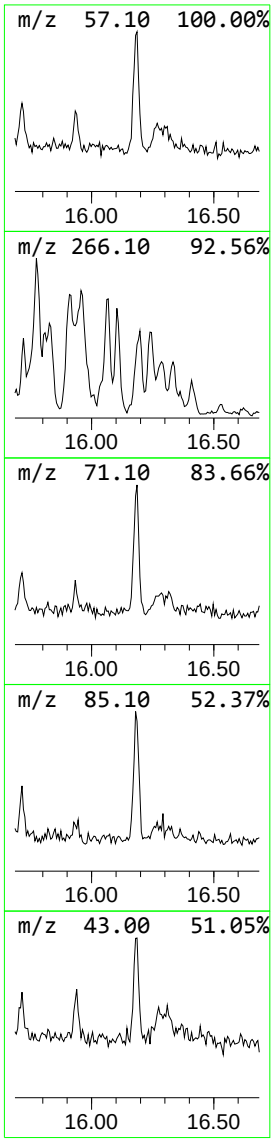
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Perylene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.186	3.08 ng	167907	Perylene-d12	15.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	46
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	45
3	7-Methylbenzo[pqr]tetraphene	266	C21H14	063041-77-0	38
4	(.+/-.)-Uleine	266	C18H22N2	019775-50-9	38
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
Acq On : 09 Mar 2023 20:07
Operator : CG\JU
Sample : 01842-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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
2-Pentanone, 4-...	5.210	49.4	ng	2575220	1	6.981	1042260	20.0
Benzophenone	10.733	3.3	ng	241628	3	10.022	1461330	20.0
Anthracene, 2-m...	12.022	8.9	ng	623838	4	11.522	1396330	20.0
Phenanthrene, 2...	12.051	6.8	ng	478249	4	11.522	1396330	20.0
Anthracene, 1-m...	12.133	9.8	ng	684215	4	11.522	1396330	20.0
Phenanthrene, 4...	12.157	3.5	ng	246373	4	11.522	1396330	20.0
Naphthalene, 2-...	12.316	3.6	ng	249669	4	11.522	1396330	20.0
9,10-Anthracene...	12.351	3.1	ng	218052	4	11.522	1396330	20.0
Phenanthrene, 2...	12.574	5.9	ng	413722	4	11.522	1396330	20.0
Cyclopenta(def)...	12.663	4.1	ng	286814	4	11.522	1396330	20.0
Pyrene, 1-methyl-	13.192	3.3	ng	450395	5	14.180	2726980	20.0
11H-Benzo[a]flu...	13.298	2.8	ng	383329	5	14.180	2726980	20.0
Pyrene, 2-methyl-	13.410	4.3	ng	588758	5	14.180	2726980	20.0
Mitotane	13.686	4.2	ng	570906	5	14.180	2726980	20.0
Anthra(2,3-b)th...	13.927	3.3	ng	450754	5	14.180	2726980	20.0
Triphenylphosph...	14.268	3.6	ng	485080	5	14.180	2726980	20.0
Chrysene, 1-met...	14.568	3.7	ng	503879	5	14.180	2726980	20.0
Benzo[e]pyrene	15.380	6.8	ng	370321	6	15.721	1088890	20.0
Perylene	15.592	16.4	ng	893705	6	15.721	1088890	20.0
Perylene, 3-met...	16.186	3.1	ng	167907	6	15.721	1088890	20.0