LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : M-R-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143971.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.951	290	299	306	rBV	30917	52997	1.00%	0.082%
2	5.363	535	539	544	rBV	115834	151876	2.87%	0.236%
3	5.493	551	561	571	rBV2	390131	616873	11.65%	0.958%
4	5.728	593	601	609	rBV3	92067	176386	3.33%	0.274%
5	5.904	624	631	635	rBV4	31386	61094	1.15%	0.095%
6	6.051	647	656	659	rBV3	64696	116305	2.20%	0.181%
7	6.134	665	670	676	rBV2	85107	160471	3.03%	0.249%
8	6.187	676	679	682	rVB	49628	56782	1.07%	0.088%
9	6.322	697	702	705	rBV2	61149	106506	2.01%	0.165%
10	6.410	714	717	720	rBV3	122303	166242	3.14%	0.258%
11	6.439	720	722	725	rVB	95084	94467	1.78%	0.147%
12	6.498	725	732	737	rBV2	370358	613258	11.58%	0.952%
13	6.563	739	743	749	rVB	61808	94185	1.78%	0.146%
14	6.634	749	755	758	rBV6	33016	68305	1.29%	0.106%
15	6.710	763	768	777	rBV2	369132	564679	10.66%	0.877%
16	6.887	793	798	803	rVV2	561799	811857	15.33%	1.261%
17	6.939	803	807	811	rVV	150918	188667	3.56%	0.293%
18	6.981	811	814	819	rVB5	54097	89487	1.69%	0.139%
19	7.028	819	822	824	rBV2	100766	120537	2.28%	0.187%
20	7.063	824	828	833	rVB	1387777	1774959	33.51%	2.756%
21	7.145	833	842	847	rBV3	215294	499364	9.43%	0.775%
22	7.198	847	851	859	rVB3	132260	238957	4.51%	0.371%
23	7.275	859	864	868	rBV3	102694	175620	3.32%	0.273%
24	7.416	882	888	890	rBV2	260879	398235	7.52%	0.618%
25	7.445	890	893	897	rVB2	177652	230790	4.36%	0.358%
26	7.528	902	907	911	rVB4	181674	269114	5.08%	0.418%
27	7.586	911	917	921	rBV5	170687	330324	6.24%	0.513%
28	7.663	925	930	940	rVB6	177511	507366	9.58%	0.788%
29	7.763	941	947	949	rBV4	114606	227687	4.30%	0.354%
30	7.810	952	955	957	rVV2	127231	177093	3.34%	0.275%
31	7.839	957	960	964	rVB3	340319	421944	7.97%	0.655%
32	7.910	964	972	976	rBV2	384067	702146	13.26%	1.090%
33	7.951	976	979	990	rVB2	290654	632947	11.95%	0.983%
34	8.039	990	994	997	rBV2	118883	164064	3.10%	0.255%
35	8.116	1003	1007	1009	rBV3	102690	161909	3.06%	0.251%
36	8.192	1009	1020	1024	rVV2	2866638	5296940	100.00%	8.225%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.222	1024	1025	1038	rVB3	527985	958962	18.10%	1.489%
38	8.322	1038	1042	1043	rBV4	81858	105735	2.00%	0.164%
39	8.369	1048	1050	1058	rVB4	105622	183566	3.47%	0.285%
40	8.457	1059	1065	1071	rBV6	298553	567660	10.72%	0.881%
41	8.510	1072	1074	1077	rBV3	79323	89581	1.69%	0.139%
42	8.586	1083	1087	1090	rBV	415265	566035	10.69%	0.879%
43	8.675	1099	1102	1104	rBV2	113887	120916	2.28%	0.188%
44	8.710	1105	1108	1113	rBV5	112098	213082	4.02%	0.331%
45	8.757	1113	1116	1119	rVV	171584	196165	3.70%	0.305%
46	8.881	1134	1137	1141	rVB	1303971	1581487	29.86%	2.456%
47	8.981	1150	1154	1159	rVB	1371533	1751057	33.06%	2.719%
48	9.045	1162	1165	1167	rBV4	121622	178315	3.37%	0.277%
49	9.163	1182	1185	1186	rBV2	124199	137156	2.59%	0.213%
50	9.186	1186	1189	1194	rVB	506334	635739	12.00%	0.987%
51	9.239	1195	1198	1203	rVB	355011	414621	7.83%	0.644%
52	9.328	1208	1213	1223	rBV2	395025	1186334	22.40%	1.842%
53	9.439	1229	1232	1237	rVB	314906	429792	8.11%	0.667%
54	9.510	1239	1244	1248	rVV	610179	912762	17.23%	1.417%
55	9.580	1252	1256	1259	rVV	799537	1215909	22.95%	1.888%
56	9.639	1263	1266	1271	rVV3	663599	987698	18.65%	1.534%
57	9.698	1273	1276	1286	rVB	424501	818290	15.45%	1.271%
58	9.786	1287	1291	1295	rBV	682741	874215	16.50%	1.357%
59	9.833	1296	1299	1304	rVB2	202610	248007	4.68%	0.385%
60	9.922	1308	1314	1317	rVV2	489735	907027	17.12%	1.408%
61	9.957	1317	1320	1325	rVB	851348	1049011	19.80%	1.629%
62	10.028	1330	1332	1337	rVB	198101	256318	4.84%	0.398%
63	10.127	1345	1349	1353	rVB2	544283	728587	13.75%	1.131%
64	10.169	1353	1356	1364	rVB3	290829	543296	10.26%	0.844%
65	10.239	1365	1368	1371	rBV2	269619	385237	7.27%	0.598%
66	10.333	1380	1384	1389	rBV4	283057	504397	9.52%	0.783%
67	10.380	1390	1392	1395	rBV2	130166	134538	2.54%	0.209%
68	10.475	1404	1408	1413	rVB	886550	1202635	22.70%	1.867%
69	10.575	1421	1425	1430	rVB2	400621	632300	11.94%	0.982%
70	10.633	1432	1435	1439	rVB2	219984	272335	5.14%	0.423%
71	10.716	1443	1449	1453	rBV3	326188	587612	11.09%	0.912%
72	10.839	1466	1470	1478	rVB	646407	939628	17.74%	1.459%
73	11.022	1497	1501	1504	rBV2	266922	404548	7.64%	0.628%
74	11.310	1546	1550	1555	rVB2	492270	665538	12.56%	1.033%
75	11.445	1565	1573	1577	rBV2	2022491	3368642	63.60%	5.231%
76	11.492	1577	1581	1585	rVV	698541	921415	17.40%	1.431%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.527	1585	1587	1593	rVB3	164861	233120	4.40%	0.362%
78	11.651	1605	1608	1614	rVB4	267195	384695	7.26%	0.597%
79	11.921	1650	1654	1656	rBV	506623	658500	12.43%	1.023%
80	11.951	1656	1659	1663	rVB	624358	787577	14.87%	1.223%
81	11.998	1663	1667	1670	rBV	286514	402507	7.60%	0.625%
82	12.039	1670	1674	1681	rVB3	825994	1584711	29.92%	2.461%
83	12.216	1701	1704	1708	rBV	212726	244777	4.62%	0.380%
84	12.474	1744	1748	1751	rBV	369968	561986	10.61%	0.873%
85	12.639	1771	1776	1781	rBV	1715333	2188686	41.32%	3.399%
86	12.733	1789	1792	1795	rVB	211266	229548	4.33%	0.356%
87	12.868	1809	1815	1821	rBV	1705075	2808236	53.02%	4.361%
88	13.080	1848	1851	1859	rVB6	282987	476100	8.99%	0.739%
89	13.192	1864	1870	1874	rVB	536601	1012649	19.12%	1.572%
90	13.263	1878	1882	1885	rVV	479275	652854	12.33%	1.014%
91	13.298	1885	1888	1896	rVB2	368195	547506	10.34%	0.850%
92	13.392	1902	1904	1907	rBV	147120	164793	3.11%	0.256%
93	13.427	1907	1910	1918	rVB3	277276	419103	7.91%	0.651%
94	14.063	2013	2018	2021	rBV2	1258035	2023555	38.20%	3.142%
95	14.098	2022	2024	2031	rVB	860990	1001529	18.91%	1.555%
96	15.121	2193	2198	2207	rBV	564183	1358560	25.65%	2.110%
97	15.433	2247	2251	2256	rVB	314371	492080	9.29%	0.764%
98	15.498	2257	2262	2267	rVB	531219	830355	15.68%	1.289%
99	15.557	2268	2272	2276	rBV	270865	473734	8.94%	0.736%
100	17.056	2523	2527	2536	rVB2	213207	466345	8.80%	0.724%

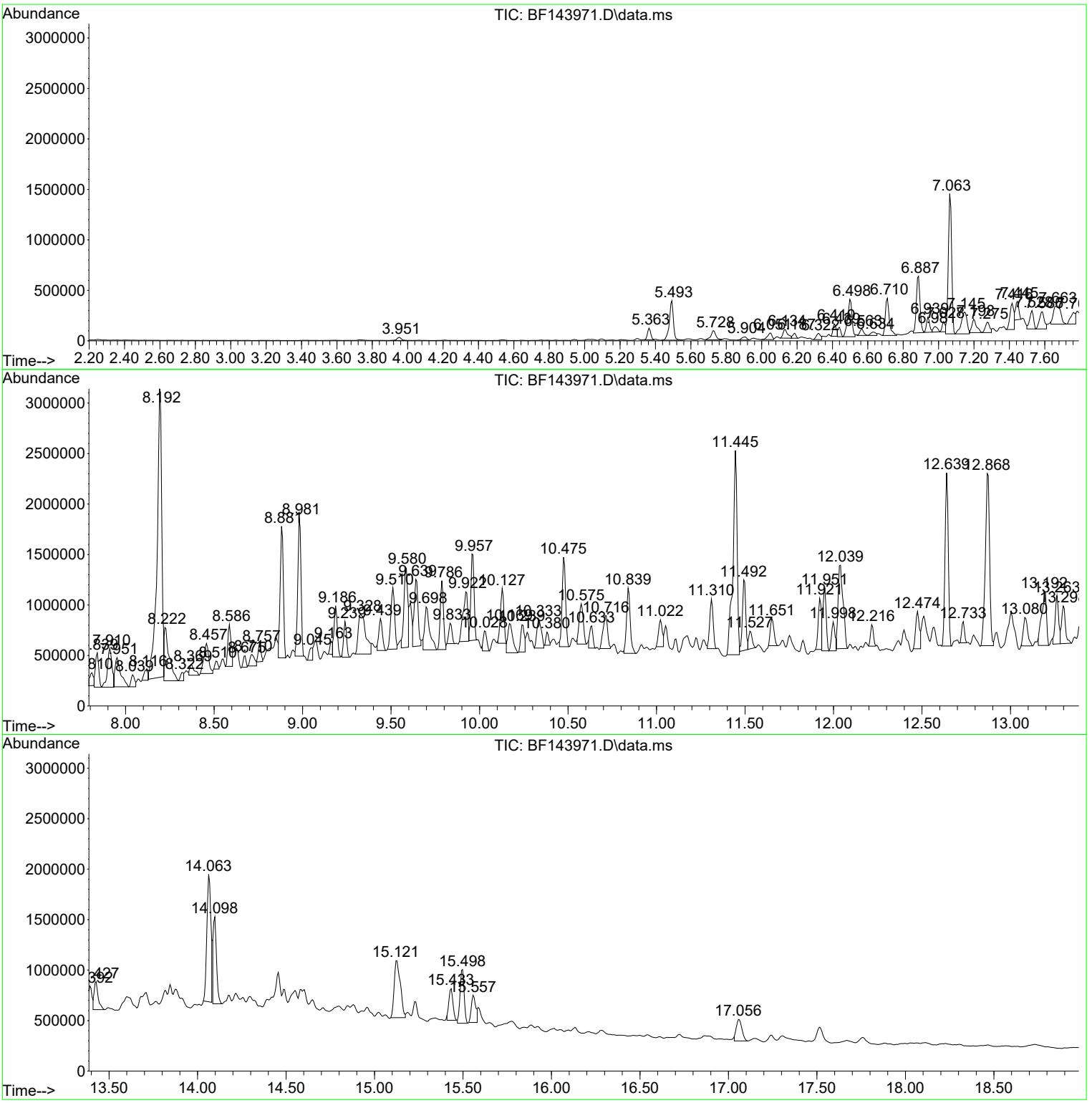
Sum of corrected areas: 64400087

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

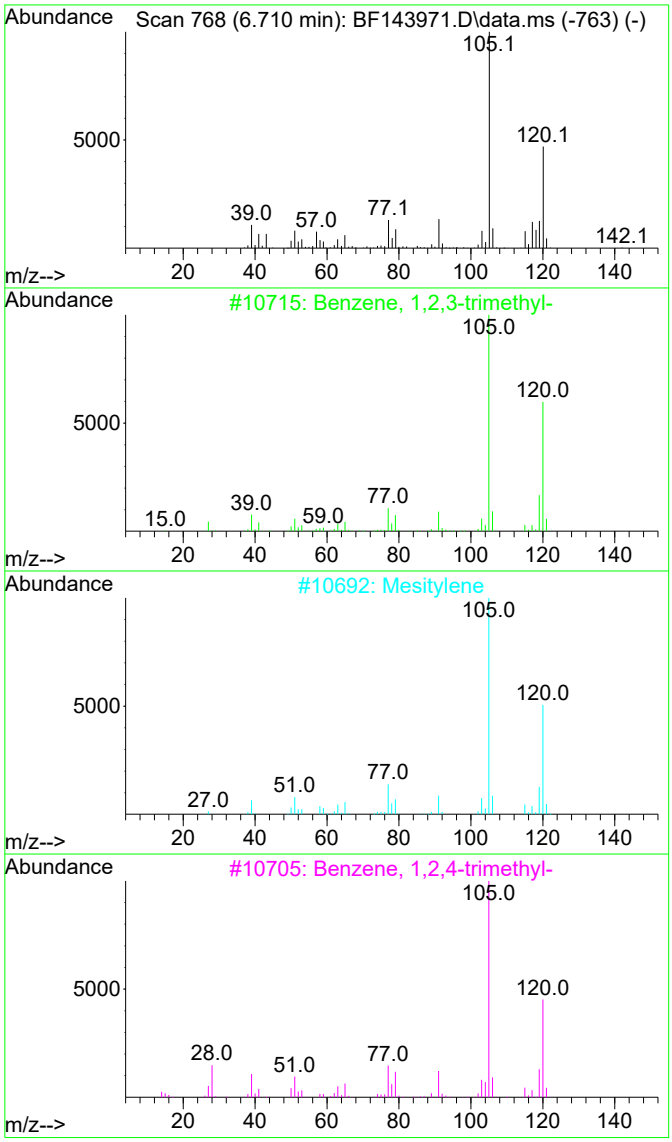
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

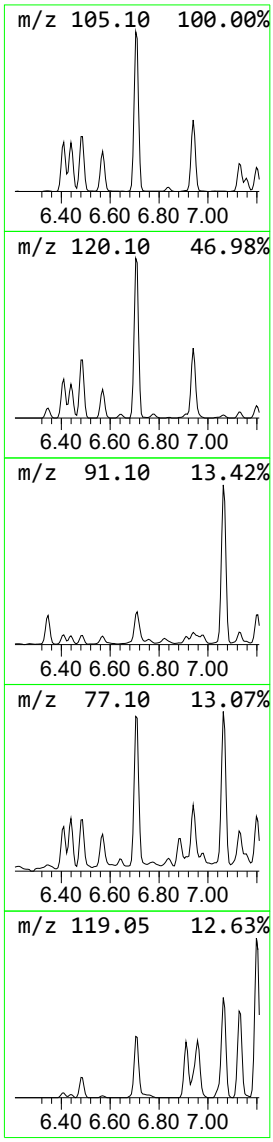
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.710	13.91 ng	564679	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

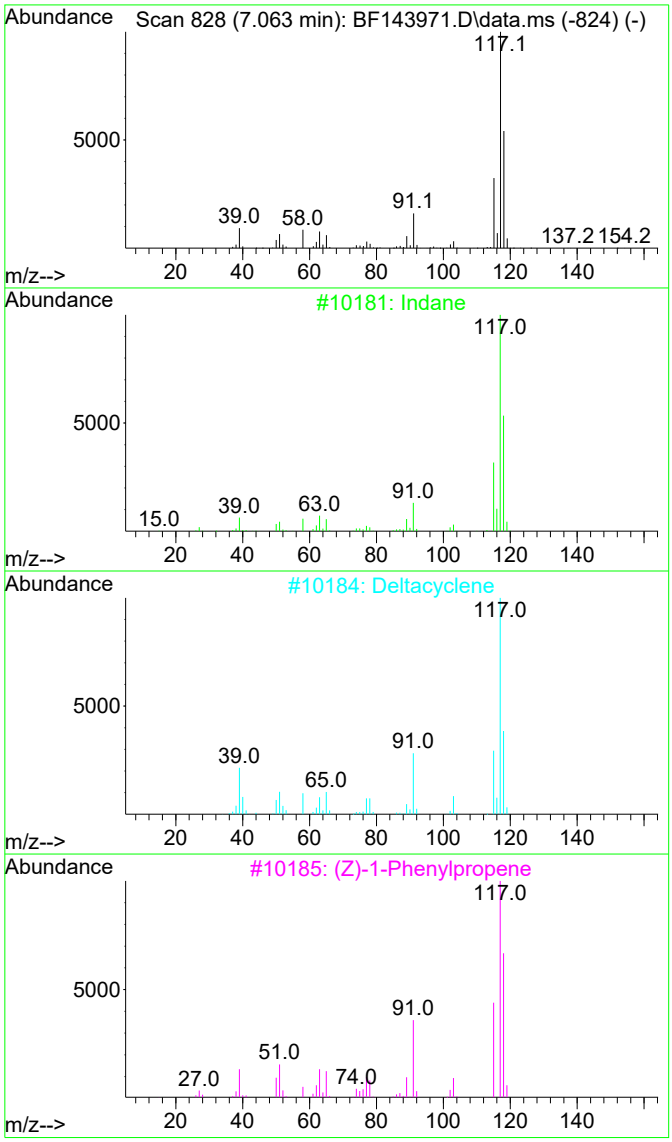
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

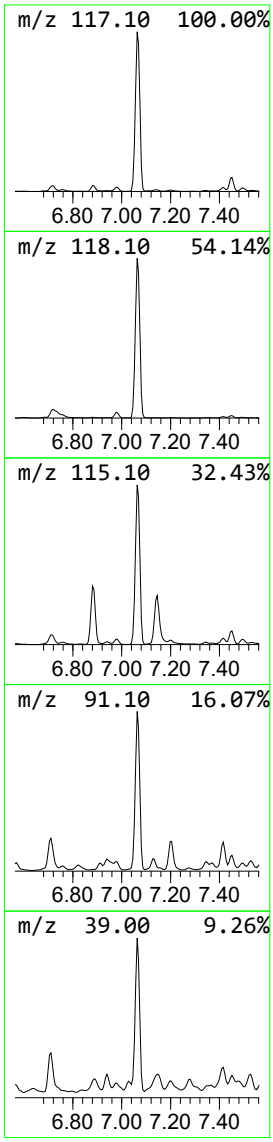
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.063	43.73 ng	1774960	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Deltacyclene	118	C9H10	007785-10-6	80
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

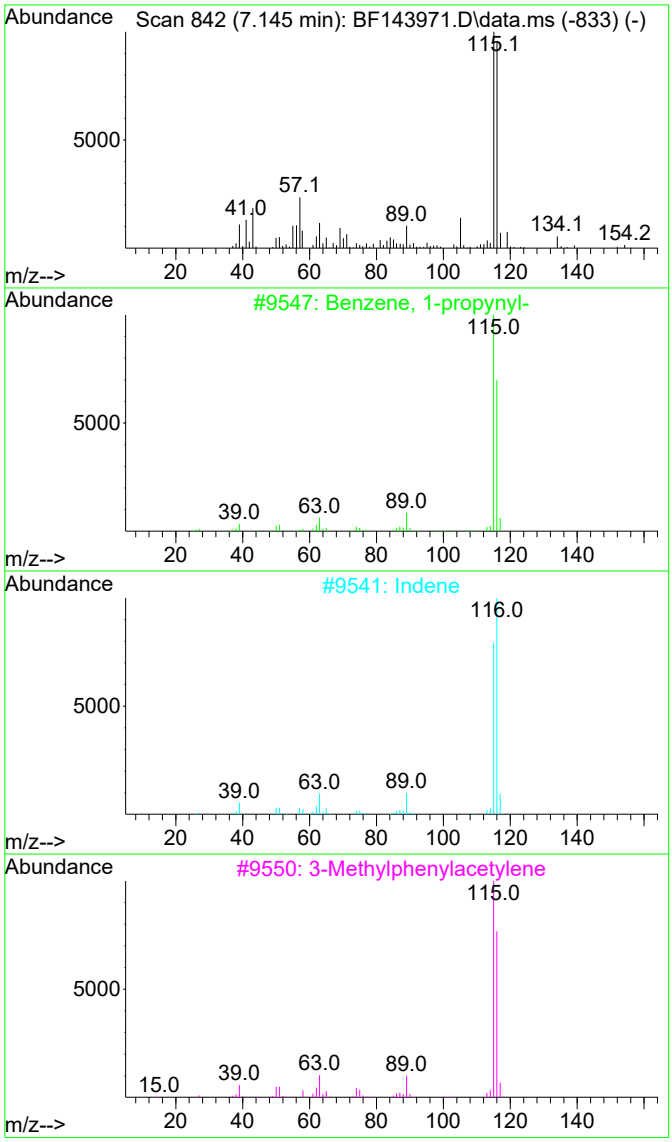
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

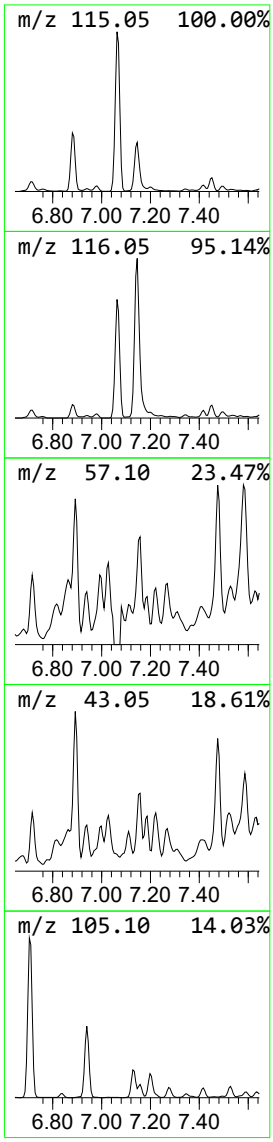
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	12.30 ng	499364	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	87
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

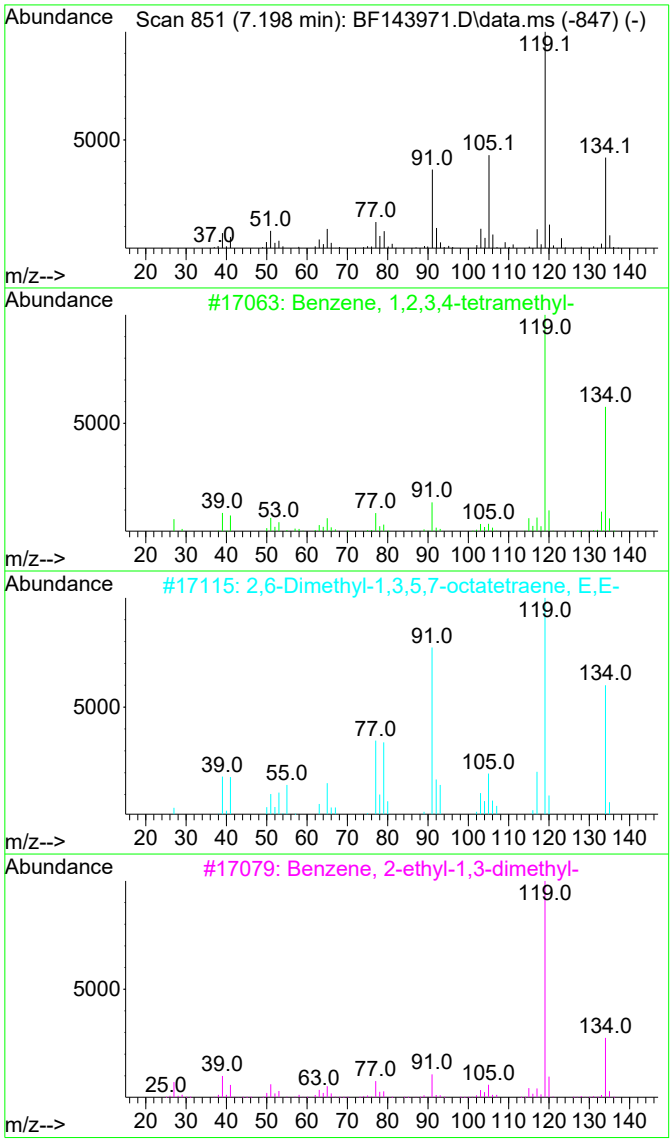
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

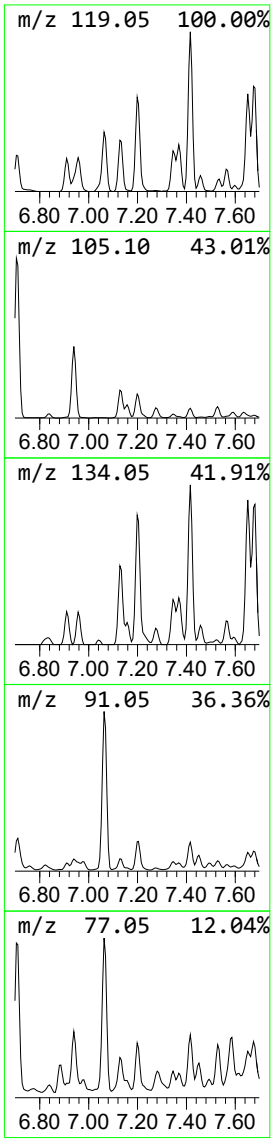
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.198	5.89 ng	238957	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
2	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	91
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

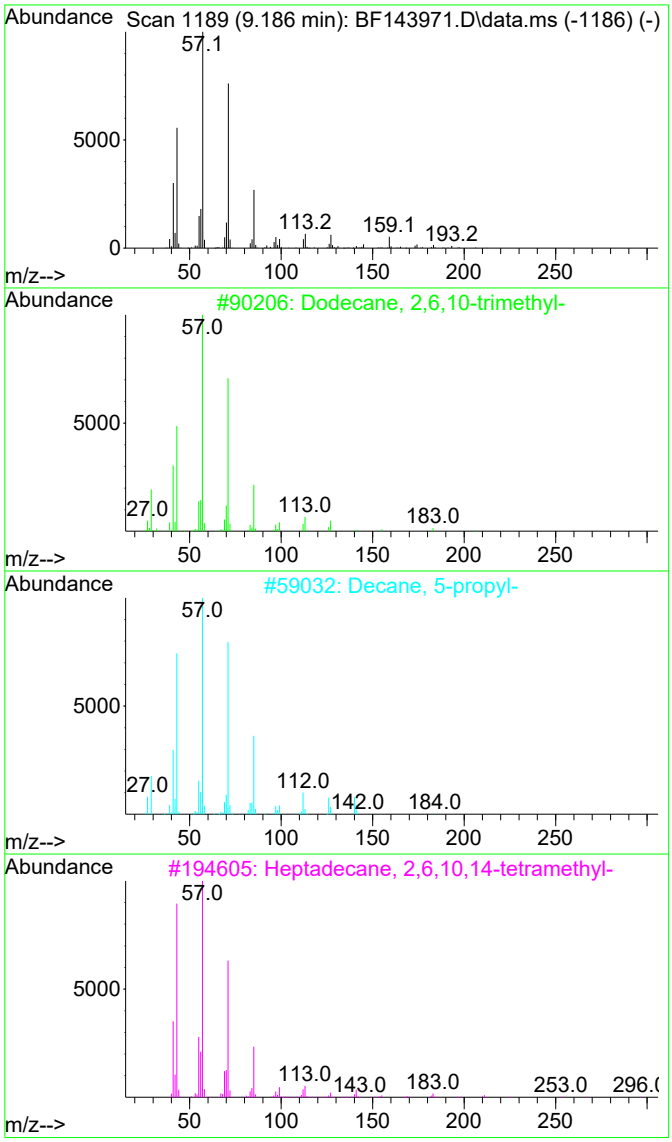
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

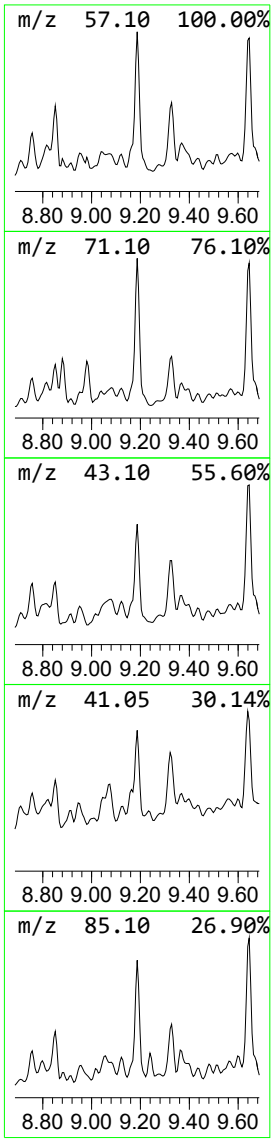
****

Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.186	14.02 ng	635739	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Decane, 5-propyl-	184	C13H28	017312-62-8	87
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

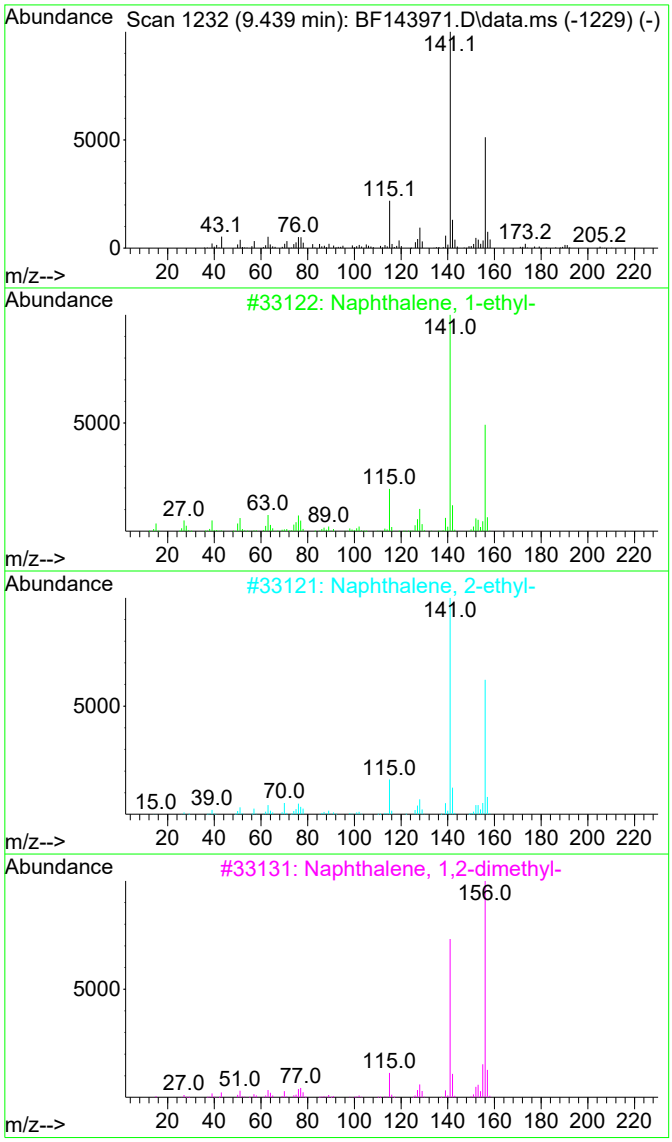
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

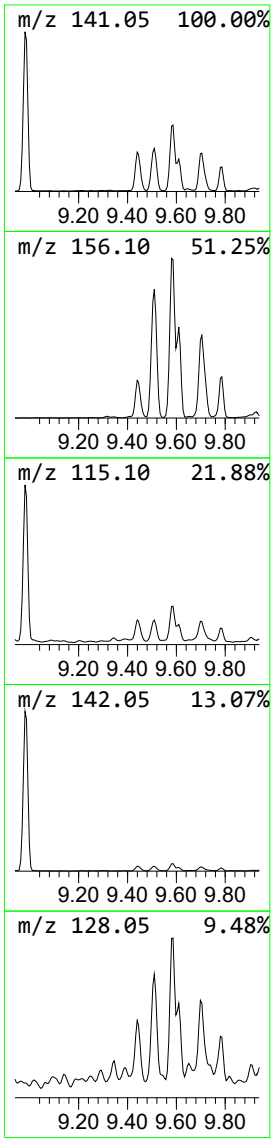
****

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	9.48 ng	429792	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

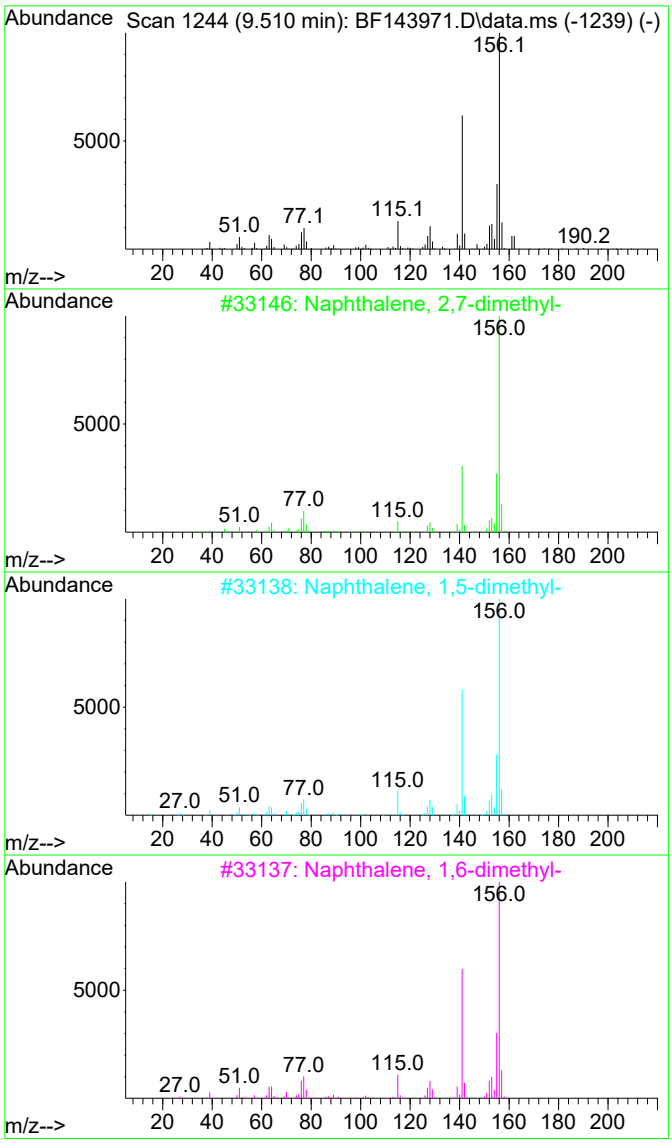
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

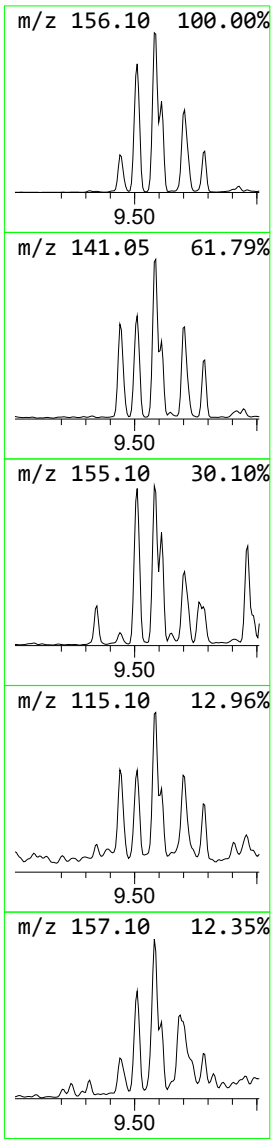
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	20.13 ng	912762	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

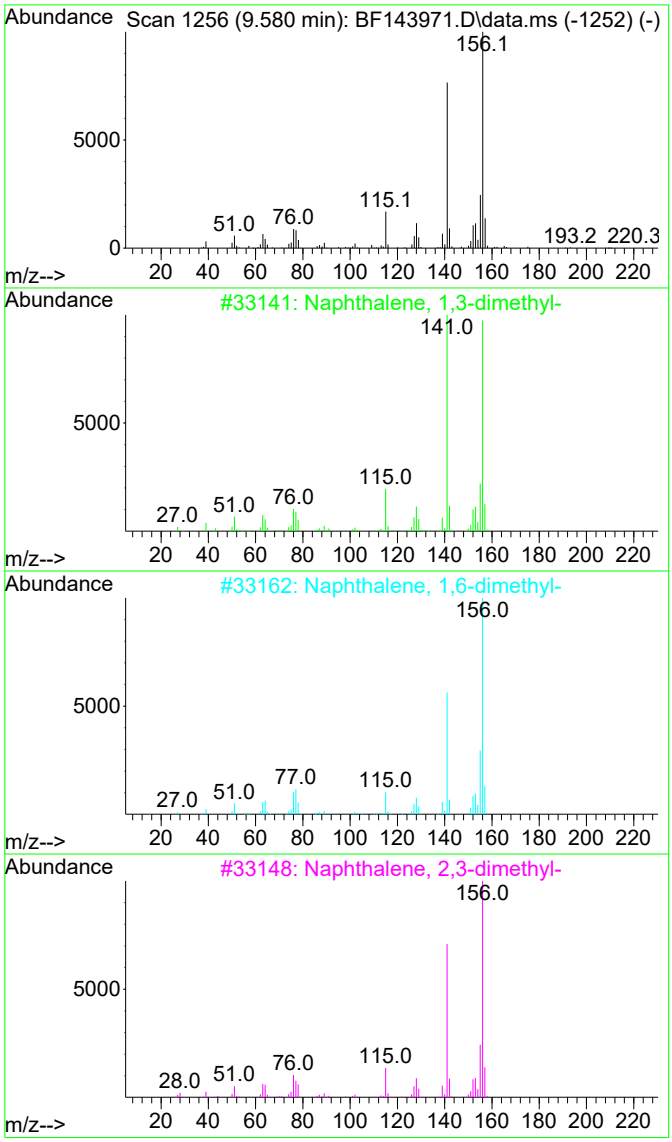
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

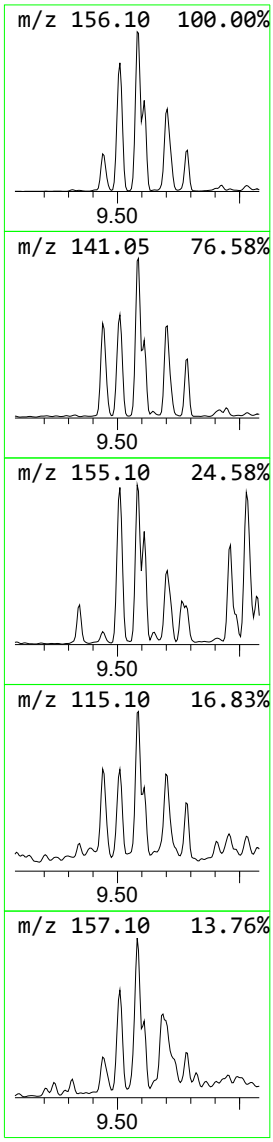
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	26.81 ng	1215910	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

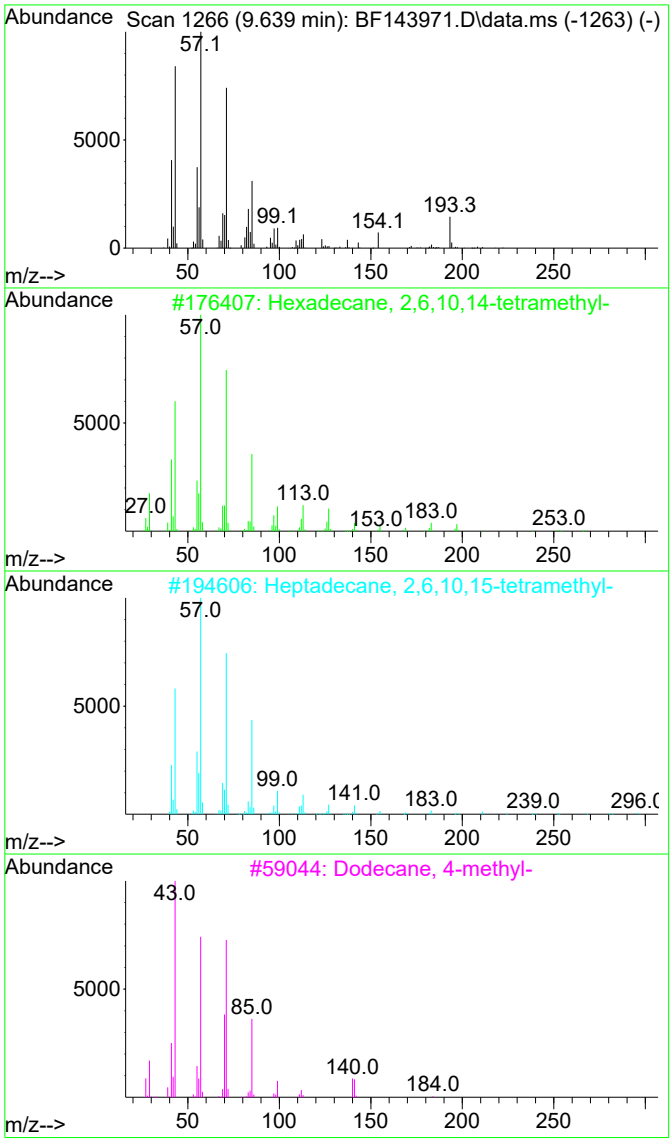
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

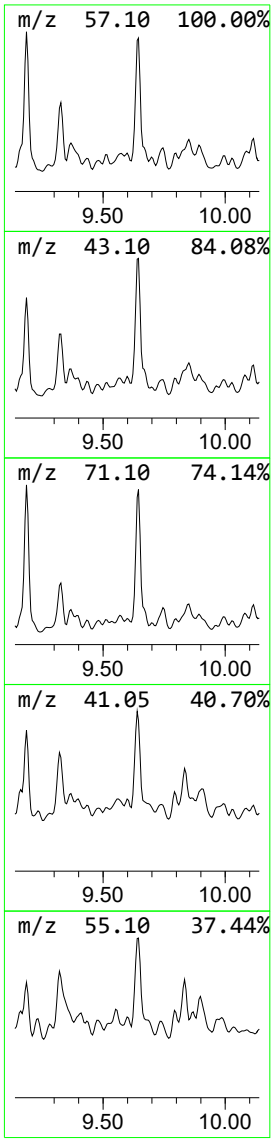
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.639	21.78 ng	987698	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	68
4	Decane, 5-propyl-	184	C13H28	017312-62-8	64
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

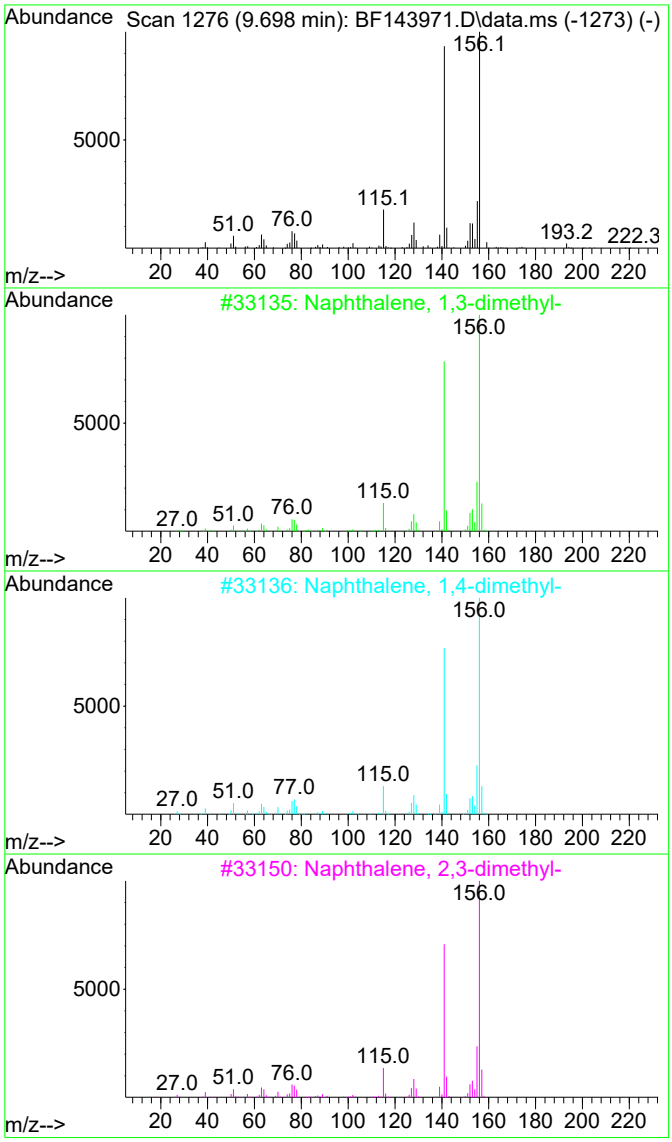
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

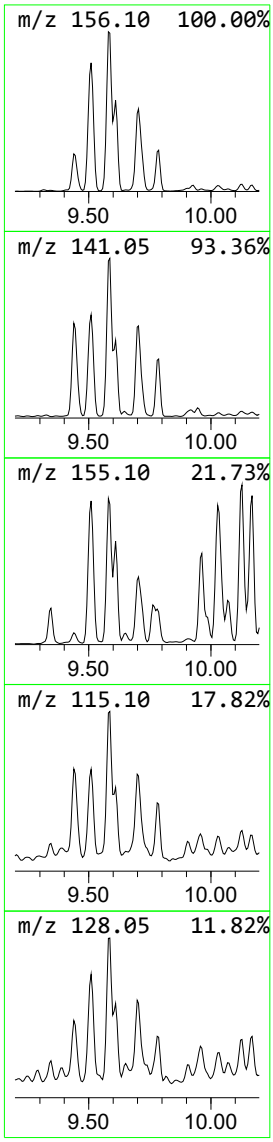
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.698	18.04 ng	818290	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

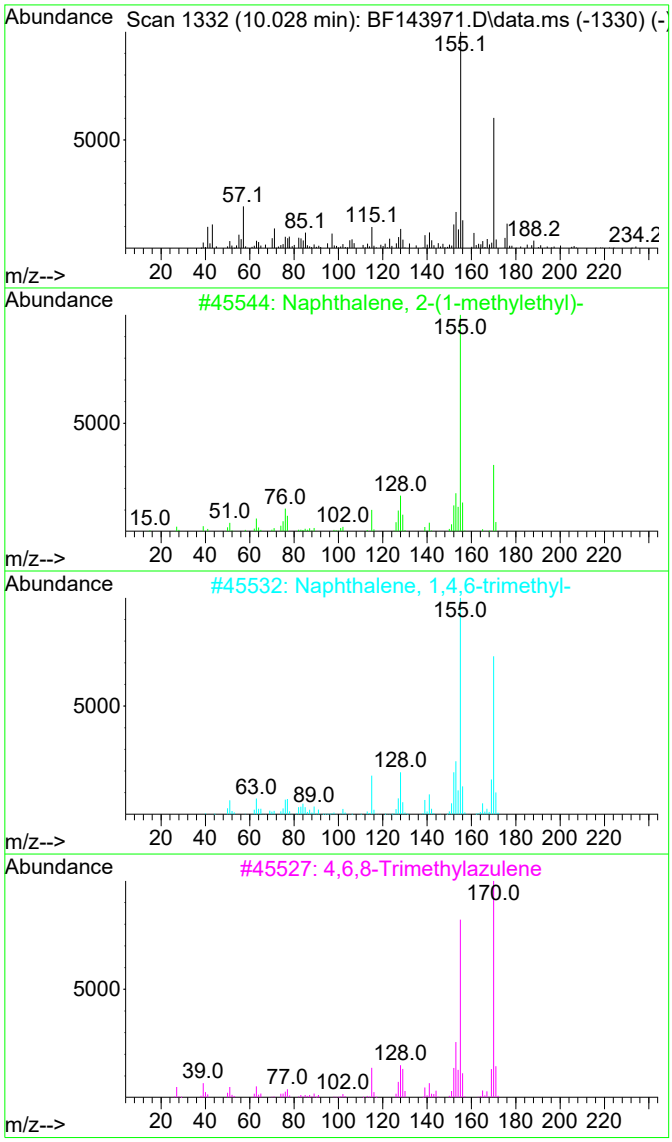
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

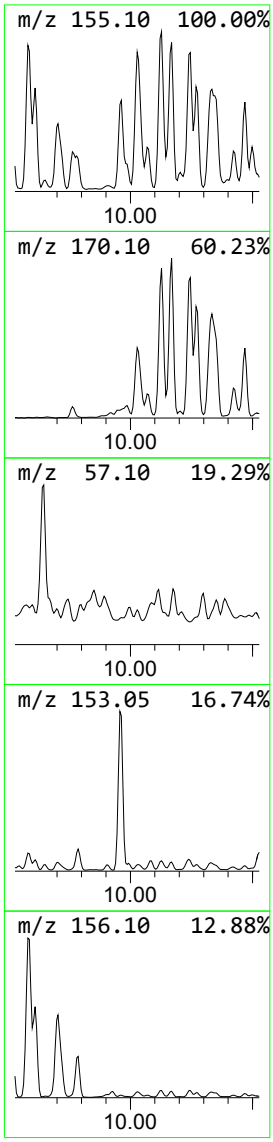
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.028	5.65 ng	256318	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	72
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

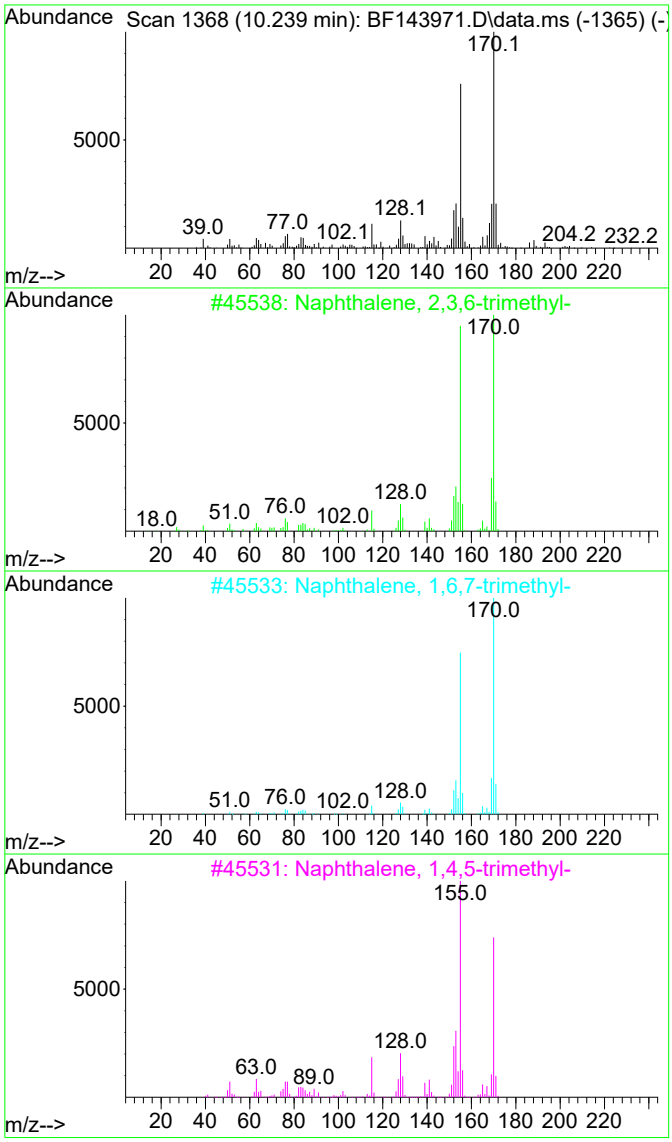
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

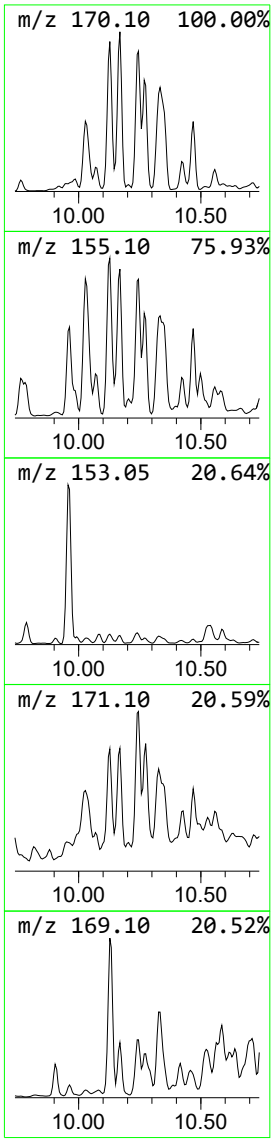
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.239	8.49 ng	385237	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

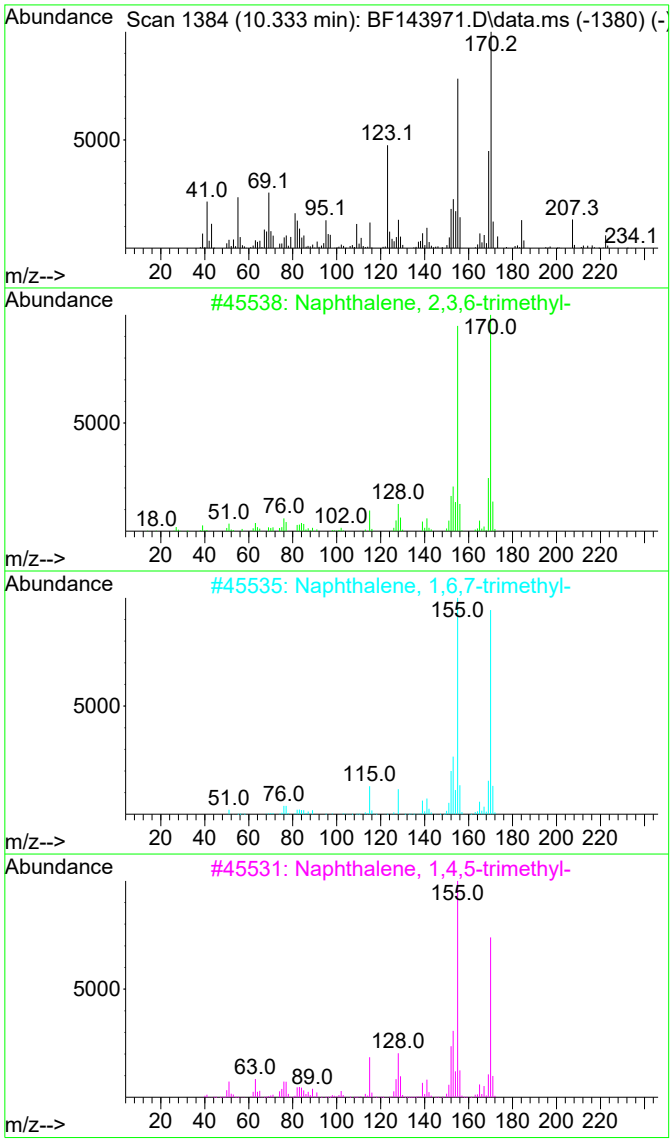
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

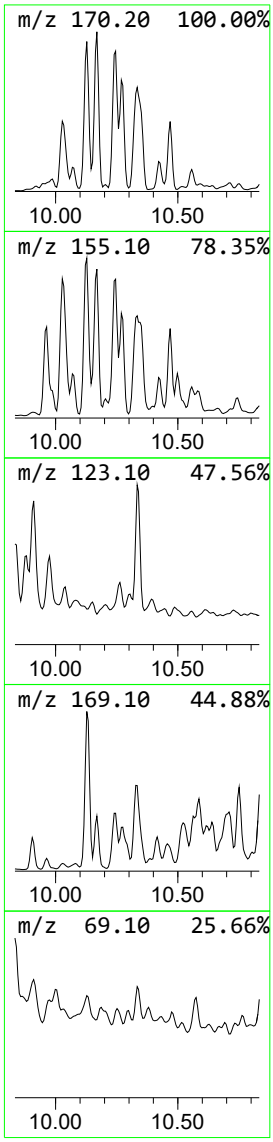
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.333	11.12 ng	504397	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

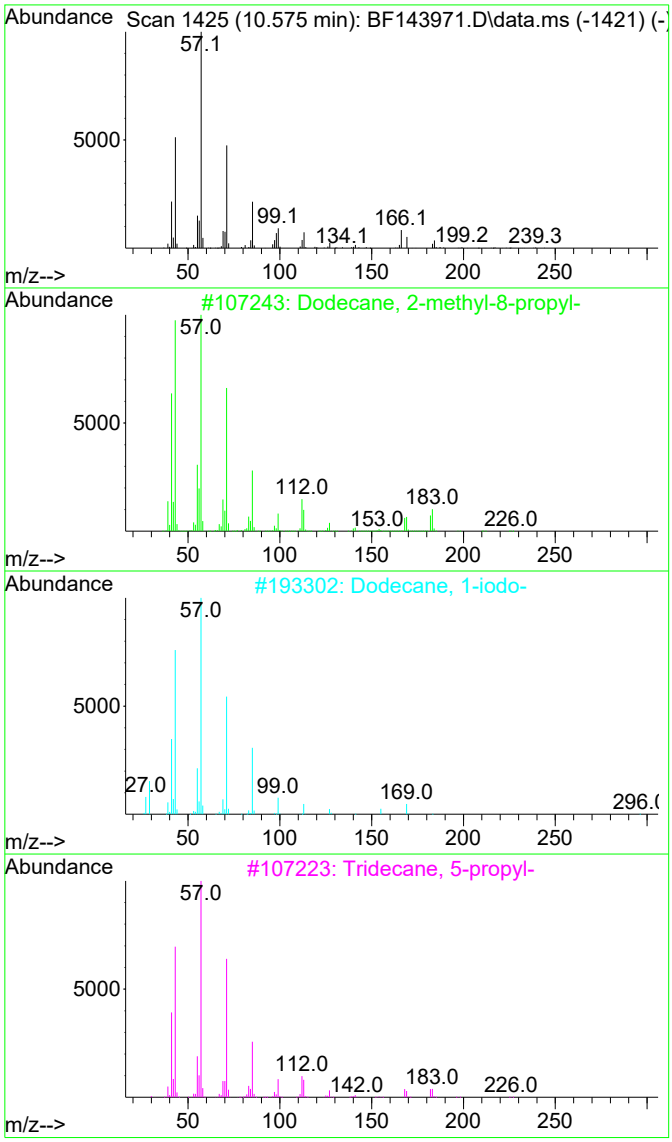
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

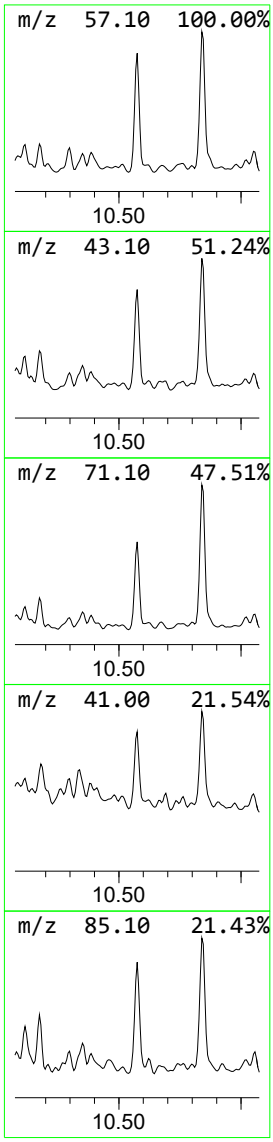
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Dodecane, 2-methyl-8-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.575	13.94 ng	632300	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	89
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

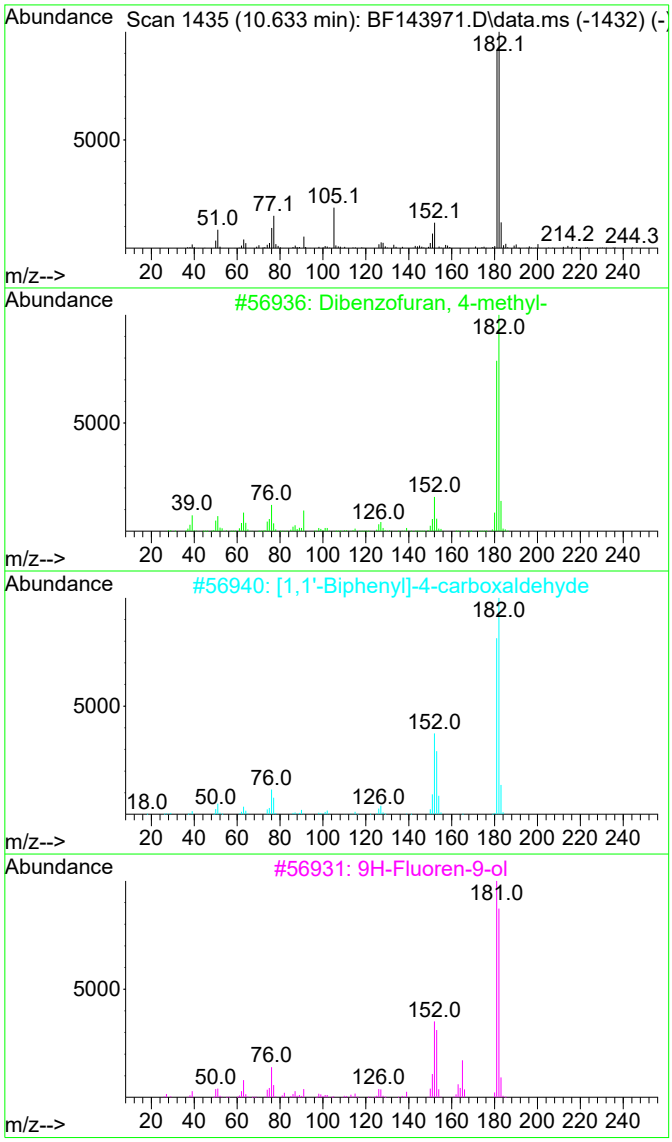
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

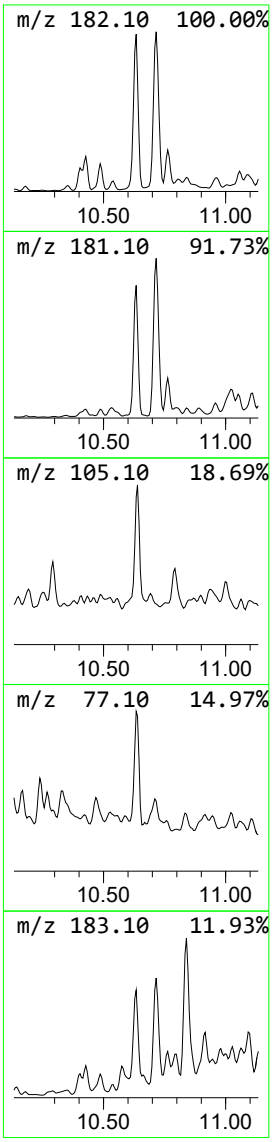
****

Peak Number 15 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.00 ng	272335	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

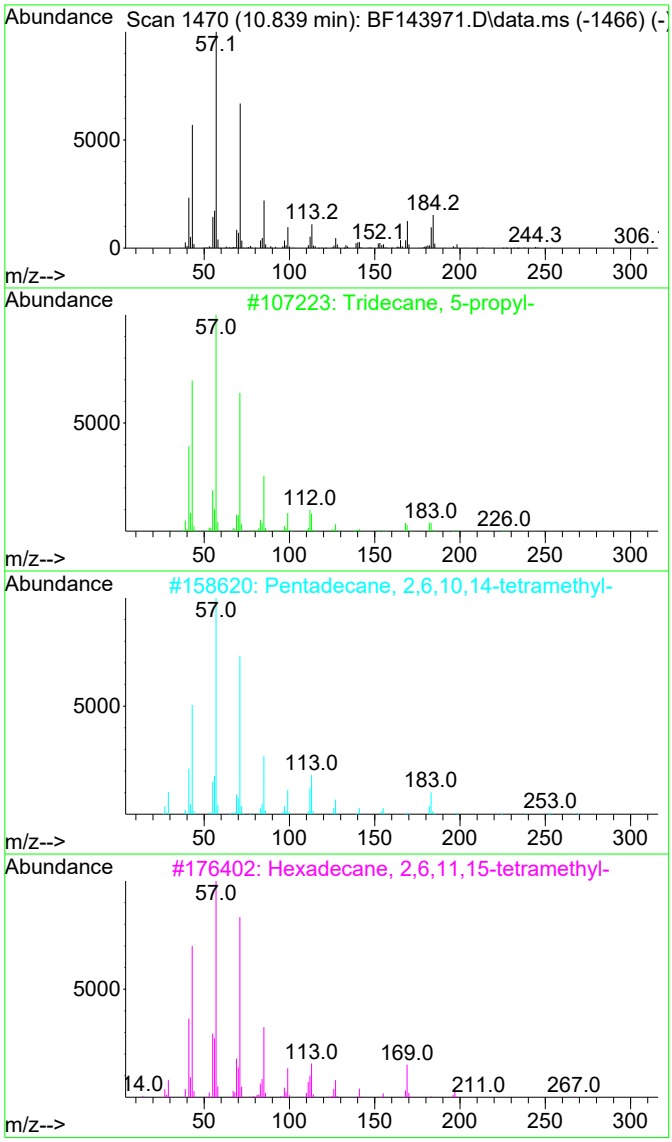
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

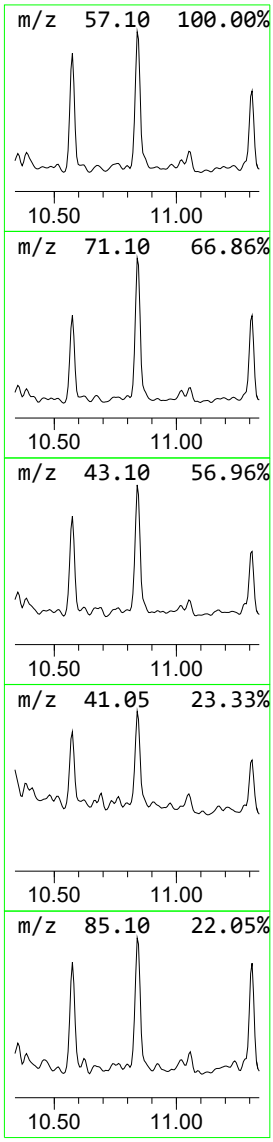
****

Peak Number 16 Tridecane, 5-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.839	5.58 ng	939628	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	59
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

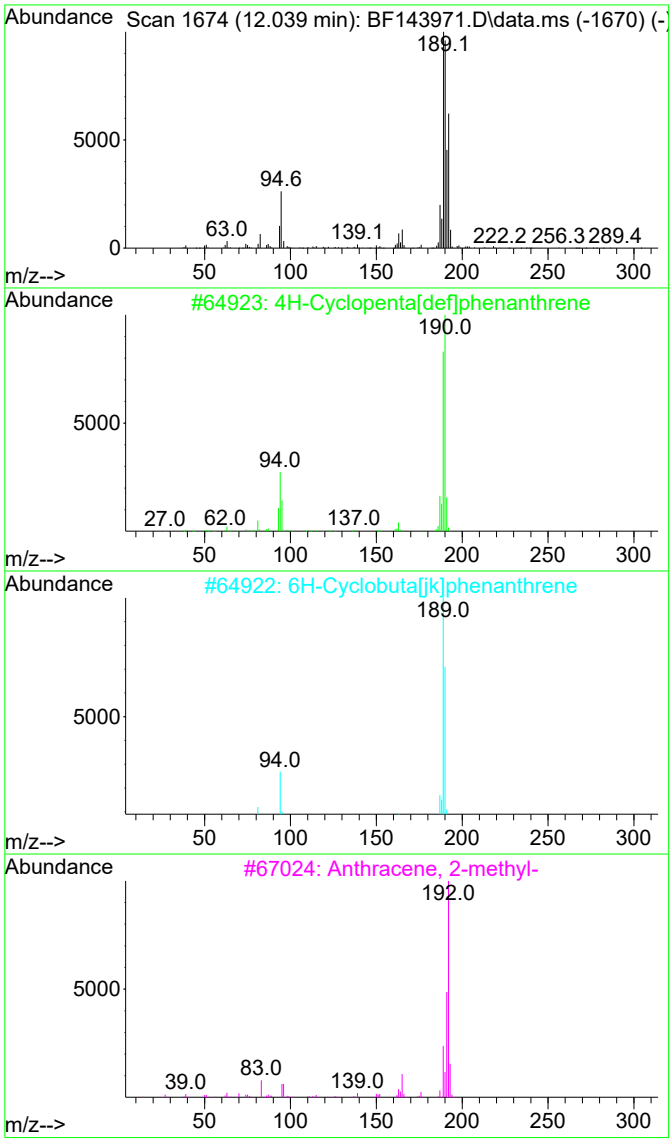
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

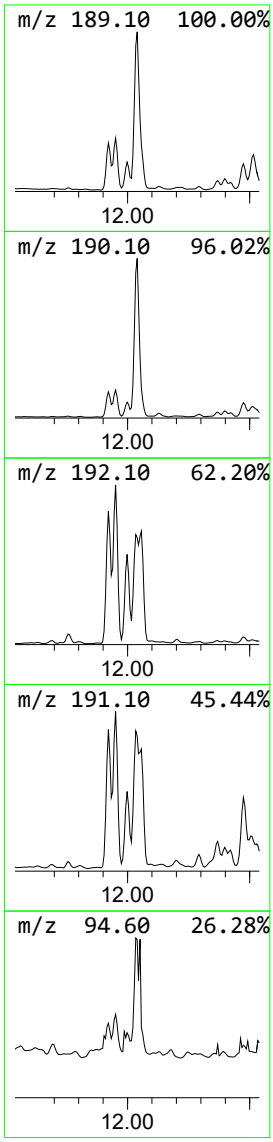
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	9.41 ng	1584710	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	18
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

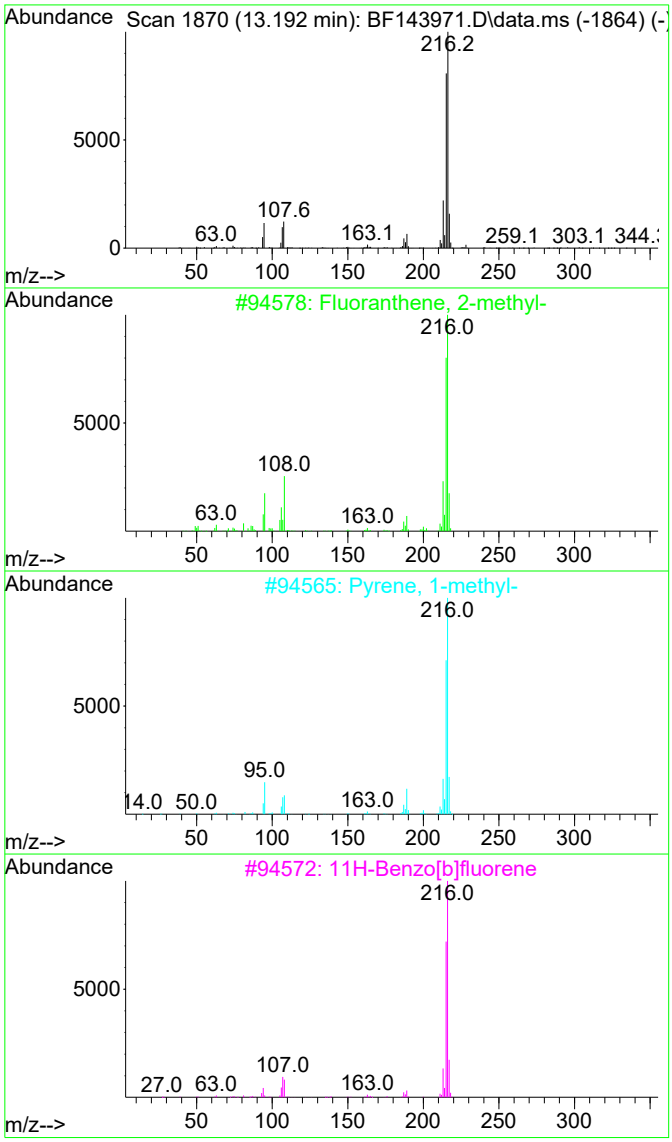
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

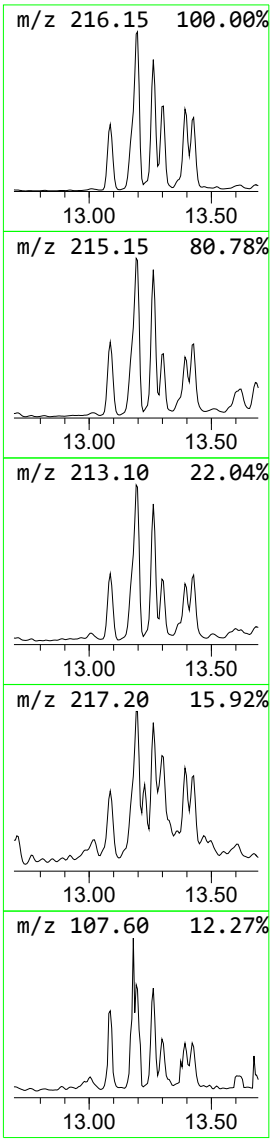
****

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	10.01 ng	1012650	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

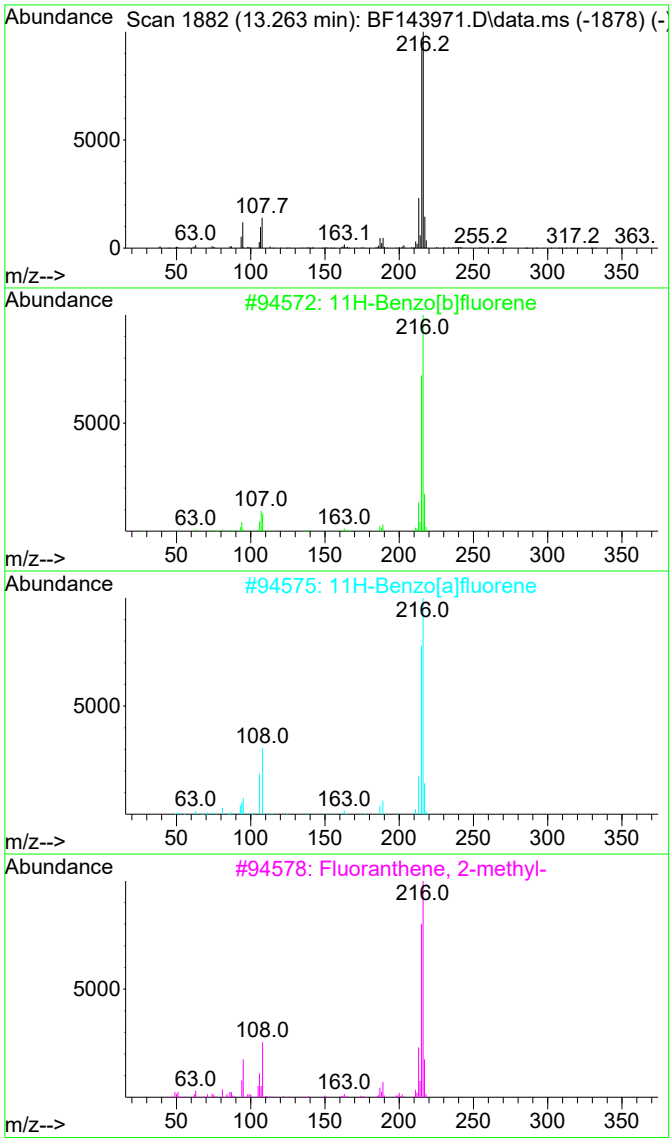
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

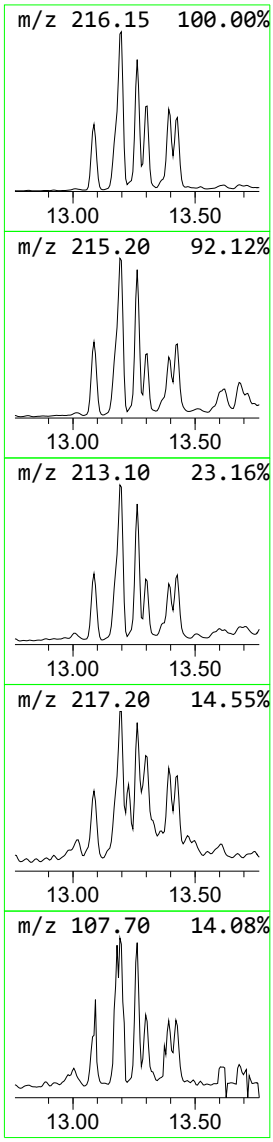
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.263	6.45 ng	652854	Chrysene-d12	14.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

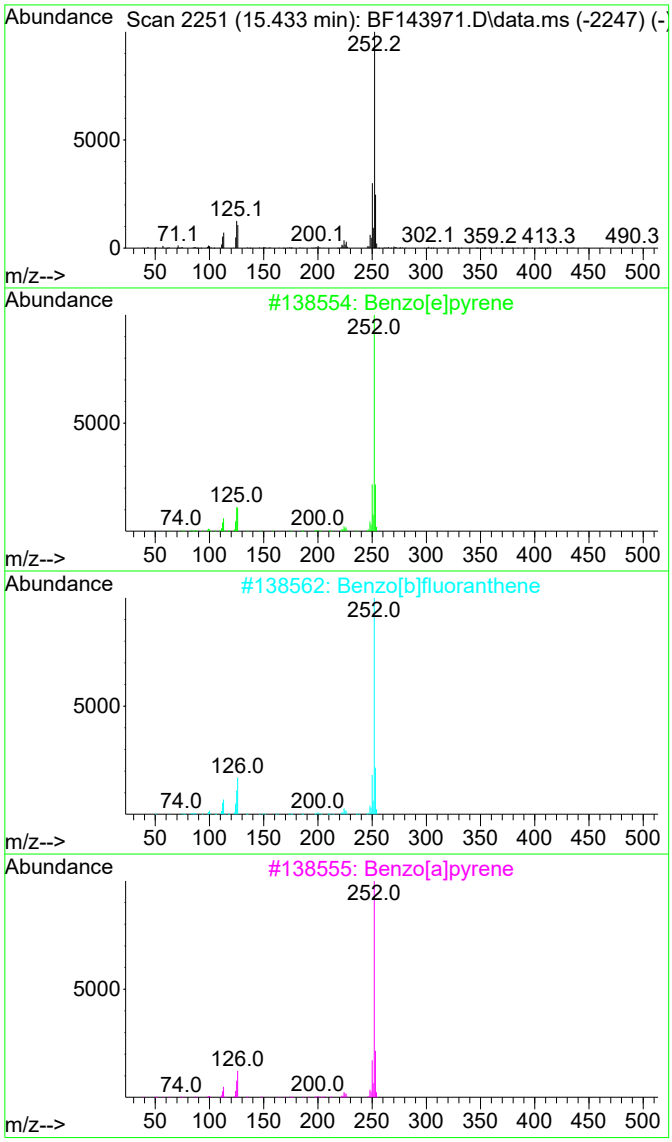
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

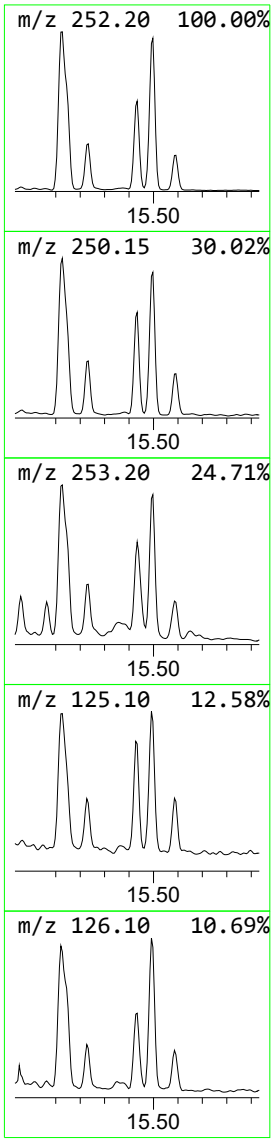
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	20.77 ng	492080	Perylene-d12	15.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143971.D
Acq On : 16 Oct 2025 00:16
Operator : RC/JU
Sample : Q3345-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-R-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzene, 1,2,3-...	6.710	13.9	ng	564679	1	6.881	811857	20.0
Indane	7.063	43.7	ng	1774960	1	6.881	811857	20.0
Benzene, 1-prop...	7.145	12.3	ng	499364	1	6.881	811857	20.0
Benzene, 1,2,3,...	7.198	5.9	ng	238957	1	6.881	811857	20.0
Dodecane, 2,6,1...	9.186	14.0	ng	635739	3	9.928	907027	20.0
Naphthalene, 1-...	9.439	9.5	ng	429792	3	9.928	907027	20.0
Naphthalene, 2,...	9.510	20.1	ng	912762	3	9.928	907027	20.0
Naphthalene, 1,...	9.580	26.8	ng	1215910	3	9.928	907027	20.0
Hexadecane, 2,6...	9.639	21.8	ng	987698	3	9.928	907027	20.0
Naphthalene, 1,...	9.698	18.0	ng	818290	3	9.928	907027	20.0
Naphthalene, 2-...	10.028	5.7	ng	256318	3	9.928	907027	20.0
Naphthalene, 2,...	10.239	8.5	ng	385237	3	9.928	907027	20.0
Naphthalene, 2,...	10.333	11.1	ng	504397	3	9.928	907027	20.0
Dodecane, 2-met...	10.575	13.9	ng	632300	3	9.928	907027	20.0
Dibenzofuran, 4...	10.633	6.0	ng	272335	3	9.928	907027	20.0
Tridecane, 5-pr...	10.839	5.6	ng	939628	4	11.422	3368640	20.0
4H-Cyclopenta[d...	12.039	9.4	ng	1584710	4	11.422	3368640	20.0
Fluoranthene, 2...	13.192	10.0	ng	1012650	5	14.068	2023560	20.0
11H-Benzo[b]flu...	13.263	6.5	ng	652854	5	14.068	2023560	20.0
Benzo[e]pyrene	15.433	20.8	ng	492080	6	15.557	473734	20.0