LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.998	490	495	501	rBV	127664	161265	4.46%	0.310%
2	5.422	563	567	579	rBV	2870633	2637013	72.90%	5.062%
3	6.439	735	740	755	rBV	2901783	3016980	83.41%	5.791%
4	6.563	757	761	765	rBV	2975866	2768125	76.53%	5.313%
5	6.786	796	799	803	rBV	886256	731797	20.23%	1.405%
6	6.851	807	810	818	rVB2	47295	57218	1.58%	0.110%
7	6.945	822	826	829	rBV	2569486	2164811	59.85%	4.155%
8	7.051	839	844	850	rVB4	53261	72272	2.00%	0.139%
9	7.204	863	870	876	rBV	65754	91831	2.54%	0.176%
10	7.345	888	894	900	rBV	1651598	1743765	48.21%	3.347%
11	7.728	957	959	965	rVB	53364	56098	1.55%	0.108%
12	7.857	977	981	986	rBV3	34010	43286	1.20%	0.083%
13	8.010	1003	1007	1013	rBV	221836	214502	5.93%	0.412%
14	8.069	1013	1017	1020	rBV	1020563	880221	24.34%	1.690%
15	8.233	1041	1045	1049	rBV	128169	110767	3.06%	0.213%
16	8.422	1073	1077	1080	rBV2	63840	65718	1.82%	0.126%
17	8.780	1133	1138	1142	rBV	69410	72455	2.00%	0.139%
18	8.833	1143	1147	1152	rVV3	32526	61851	1.71%	0.119%
19	8.880	1152	1155	1160	rVB	105074	93454	2.58%	0.179%
20	9.145	1195	1200	1203	rBV	4235052	3617077	100.00%	6.943%
21	9.233	1211	1215	1221	rBV2	562969	511402	14.14%	0.982%
22	9.404	1241	1244	1249	rBV3	51614	87473	2.42%	0.168%
23	9.486	1254	1258	1260	rVV	107441	123869	3.42%	0.238%
24	9.539	1264	1267	1272	rVV2	249229	334275	9.24%	0.642%
25	9.598	1275	1277	1282	rVB	44751	54629	1.51%	0.105%
26	9.680	1288	1291	1296	rBV	190845	197263	5.45%	0.379%
27	9.763	1303	1305	1310	rVB2	51762	49843	1.38%	0.096%
28	9.822	1310	1315	1319	rBV	1371535	1285665	35.54%	2.468%
29	9.933	1331	1334	1338	rBV4	29397	55473	1.53%	0.106%
30	9.986	1341	1343	1346	rVB	82642	73445	2.03%	0.141%
31	10.027	1347	1350	1355	rVV2	59788	57977	1.60%	0.111%
32	10.139	1366	1369	1372	rBV2	44193	52785	1.46%	0.101%
33	10.233	1381	1385	1387	rBV4	50292	67625	1.87%	0.130%
34	10.369	1406	1408	1415	rVB3	61045	94819	2.62%	0.182%

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Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.480	1425	1427	1430	rVB2	53146	46432	1.28%	0.089%
36	10.610	1445	1449	1459	rBV	1965199	1923826	53.19%	3.693%
37	10.716	1464	1467	1469	rBV	289426	247389	6.84%	0.475%
38	10.921	1498	1502	1504	rBV4	54569	73616	2.04%	0.141%
39	10.957	1504	1508	1510	rVV3	50684	69943	1.93%	0.134%
40	11.210	1548	1551	1554	rVB2	48730	56442	1.56%	0.108%
41	11.310	1564	1568	1570	rBV	1215431	1166989	32.26%	2.240%
42	11.333	1570	1572	1576	rVV	549631	464780	12.85%	0.892%
43	11.380	1578	1580	1583	rVB	92295	78974	2.18%	0.152%
44	11.539	1605	1607	1610	rBV3	46034	46878	1.30%	0.090%
45	11.639	1622	1624	1629	rVB2	68356	70399	1.95%	0.135%
46	11.768	1644	1646	1649	rBV3	62612	79088	2.19%	0.152%
47	11.810	1650	1653	1655	rVV	277549	259033	7.16%	0.497%
48	11.845	1655	1659	1664	rVV2	829113	972428	26.88%	1.867%
49	11.921	1668	1672	1674	rVV	267984	322700	8.92%	0.619%
50	11.945	1674	1676	1681	rVB2	180522	158611	4.39%	0.304%
51	11.986	1681	1683	1686	rBV2	89500	84025	2.32%	0.161%
52	12.016	1686	1688	1691	rBV3	49910	43460	1.20%	0.083%
53	12.104	1700	1703	1705	rBV	97115	100613	2.78%	0.193%
54	12.286	1732	1734	1737	rBV2	73490	79623	2.20%	0.153%
55	12.363	1743	1747	1750	rBV	301815	368353	10.18%	0.707%
56	12.439	1757	1760	1765	rVB4	391302	391011	10.81%	0.751%
57	12.521	1770	1774	1777	rBV	410103	416995	11.53%	0.800%
58	12.551	1777	1779	1780	rBV	146752	117504	3.25%	0.226%
59	12.621	1787	1791	1801	rBV2	686610	1021440	28.24%	1.961%
60	12.745	1809	1812	1815	rBV	661717	626280	17.31%	1.202%
61	12.774	1815	1817	1821	rVV	208066	202453	5.60%	0.389%
62	12.892	1834	1837	1843	rBV	3111042	3241943	89.63%	6.223%
63	12.986	1851	1853	1856	rVB	655831	573638	15.86%	1.101%
64	13.015	1856	1858	1863	rBV2	255051	305776	8.45%	0.587%
65	13.080	1866	1869	1873	rVB2	1674451	1598329	44.19%	3.068%
66	13.221	1890	1893	1895	rVB	254362	216029	5.97%	0.415%
67	13.274	1898	1902	1905	rVV	2082047	1796559	49.67%	3.448%
68	13.304	1905	1907	1910	rVB	666890	496195	13.72%	0.952%
69	13.374	1916	1919	1924	rVB4	865370	907827	25.10%	1.743%
70	13.439	1928	1930	1932	rVV2	167424	127482	3.52%	0.245%
71	13.486	1933	1938	1942	rVV	1269118	1756198	48.55%	3.371%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.521	1942	1944	1947	rVB	199595	169875	4.70%	0.326%
73	13.592	1953	1956	1960	rVB	1168376	1030328	28.49%	1.978%
74	13.633	1960	1963	1968	rBV2	543305	476869	13.18%	0.915%
75	13.774	1984	1987	1989	rBV	952171	860936	23.80%	1.653%
76	13.815	1989	1994	1998	rVV5	590639	872004	24.11%	1.674%
77	13.857	1999	2001	2003	rVB	164823	121254	3.35%	0.233%
78	13.951	2011	2017	2019	rBV2	1282586	1590822	43.98%	3.053%
79	13.986	2019	2023	2026	rVB2	1826818	1827282	50.52%	3.507%
80	14.204	2056	2060	2064	rBV	751447	835000	23.08%	1.603%
81	14.245	2064	2067	2071	rVB	410450	346543	9.58%	0.665%
82	14.292	2072	2075	2079	rVV	445776	391876	10.83%	0.752%
83	14.515	2111	2113	2116	rBV3	192504	177100	4.90%	0.340%
84	14.657	2135	2137	2142	rVB2	365916	336474	9.30%	0.646%
85	15.392	2258	2262	2265	rBV	739294	845770	23.38%	1.623%

Sum of corrected areas: 52098443

LSC Report - Integrated Chromatogram

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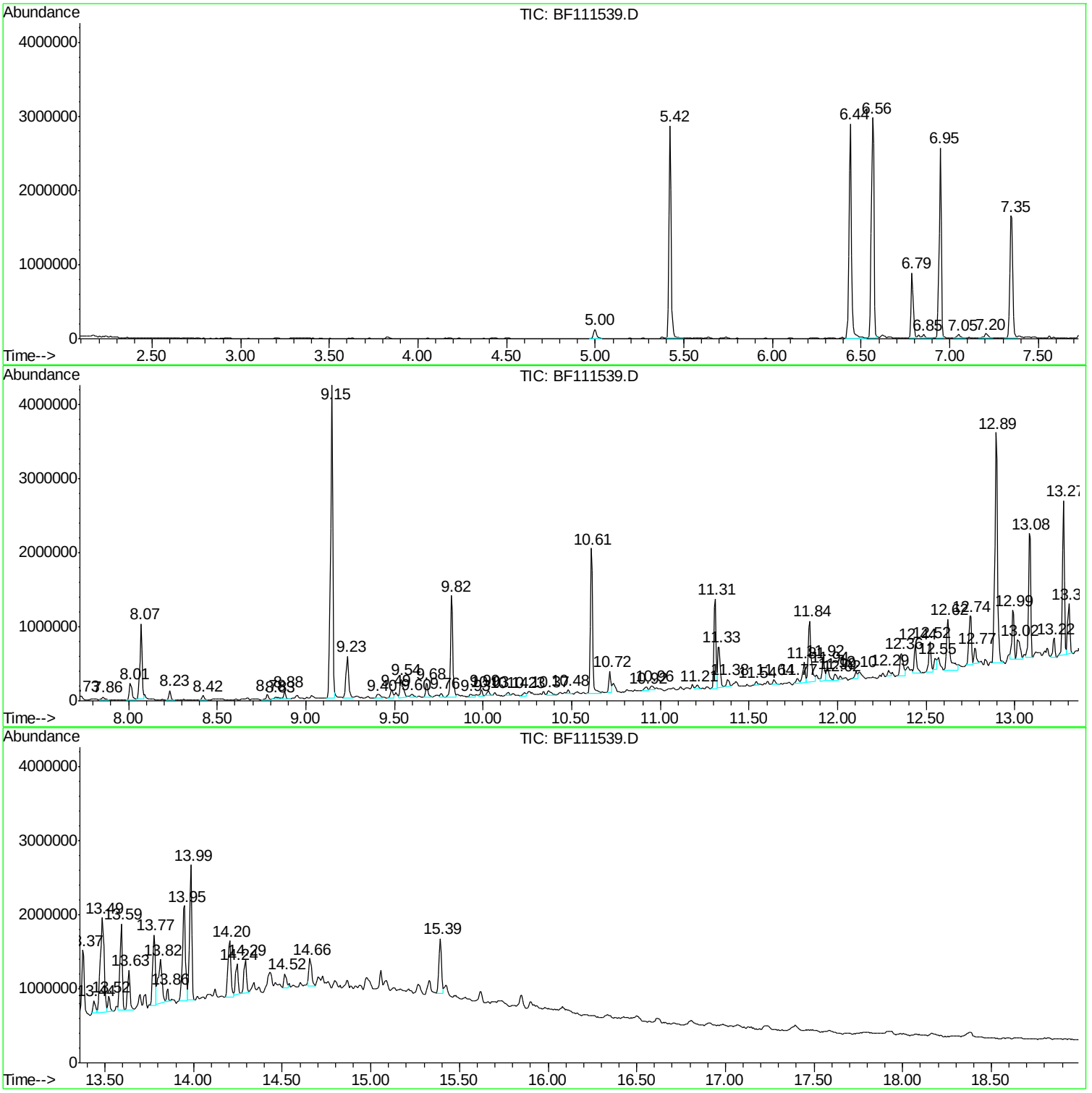
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

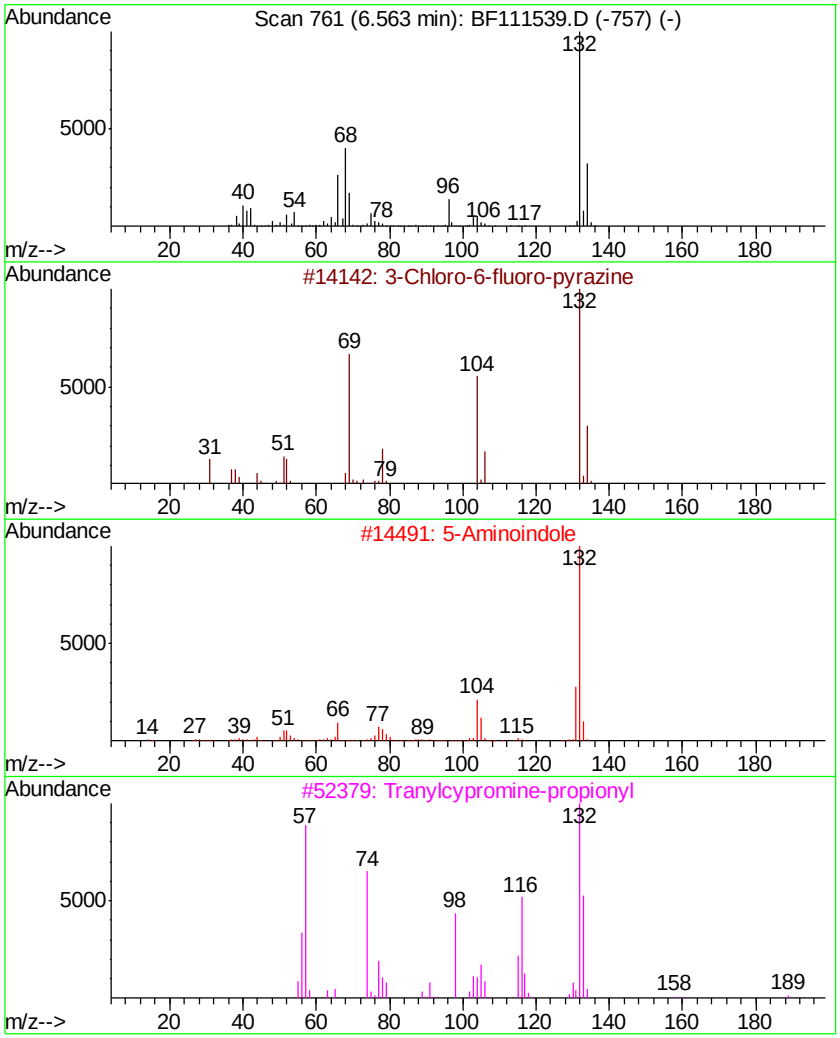
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

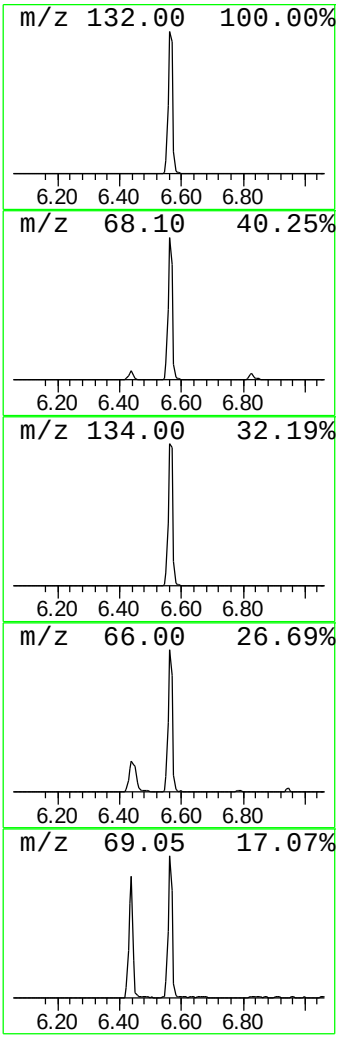
****

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	75.65 ng	2768130	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Sample : J6386-16
Misc :
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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

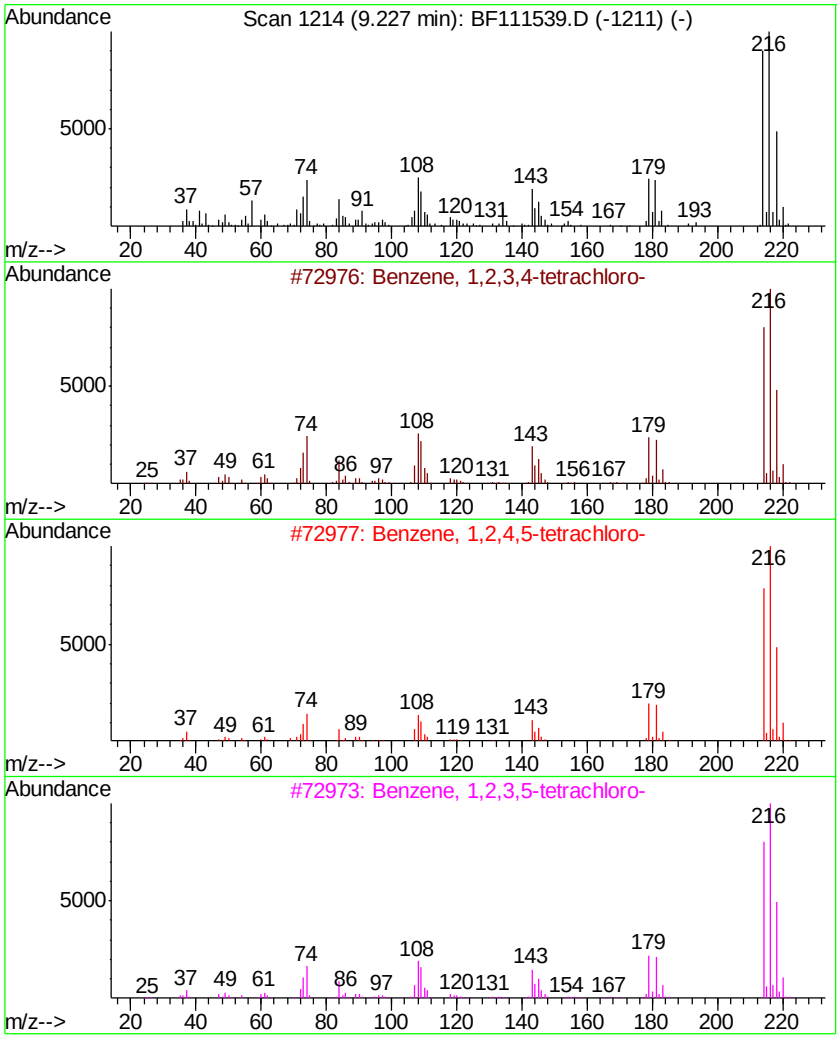
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

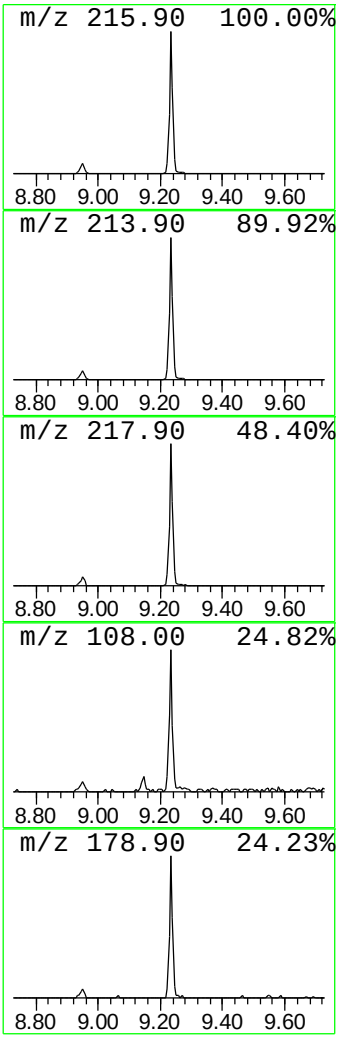
****

Peak Number 3 Benzene, 1,2,3,4-tetrachloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	7.96 ng	511402	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	99
2	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99
3	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	99
4	Imidazole, 4-bromo-2-trifluorome...	214	C4H2BrF3N2	219534-98-2	49
5	Allopurirol, 7-bromo-	214	C5H3BrN4O	020419-67-4	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111539.D
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Misc :
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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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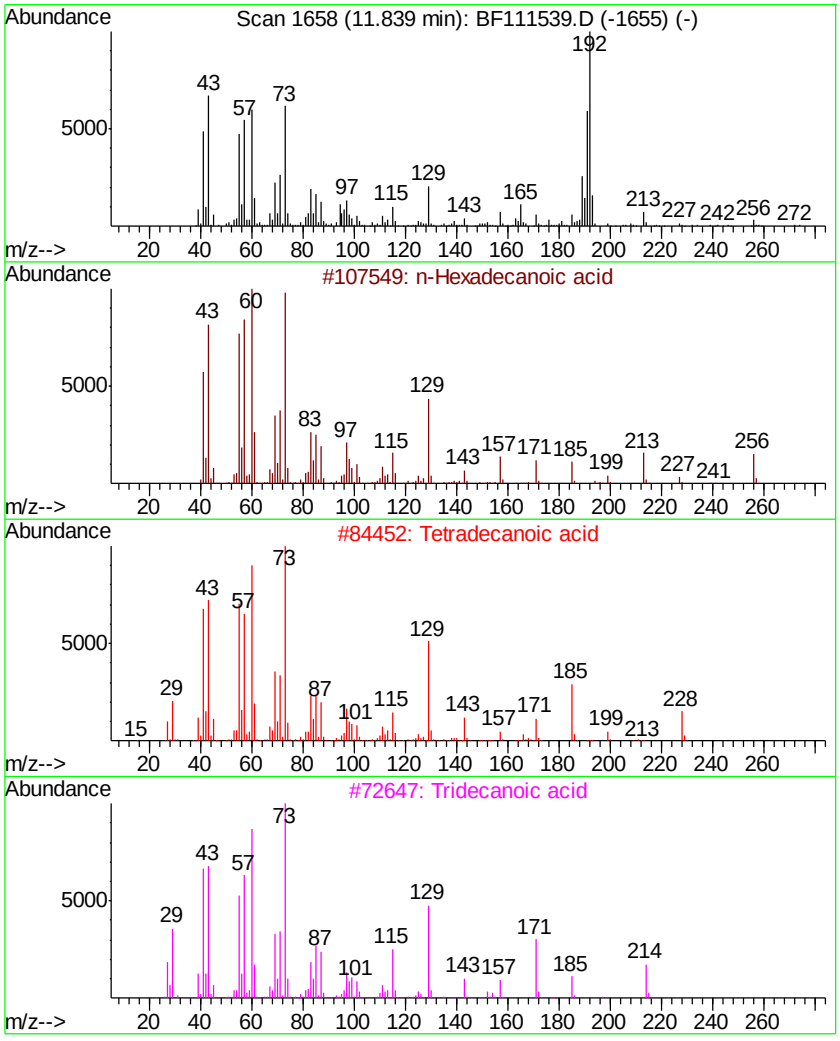
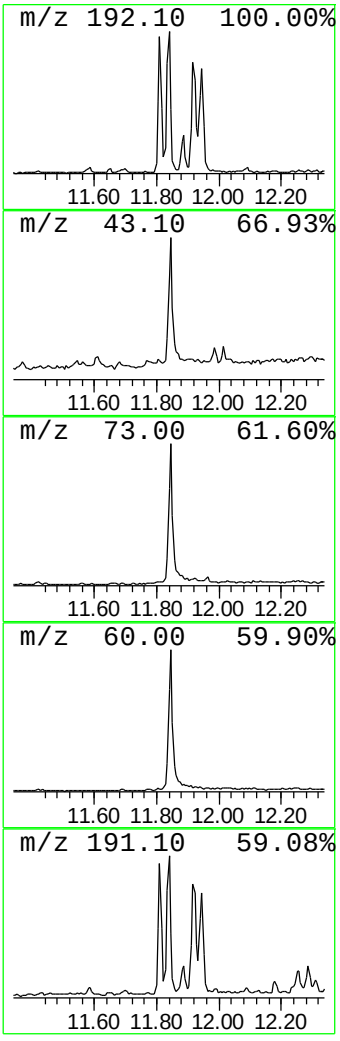
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	16.67 ng	972428	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	53





Library Search Compound Report

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Operator : JU/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

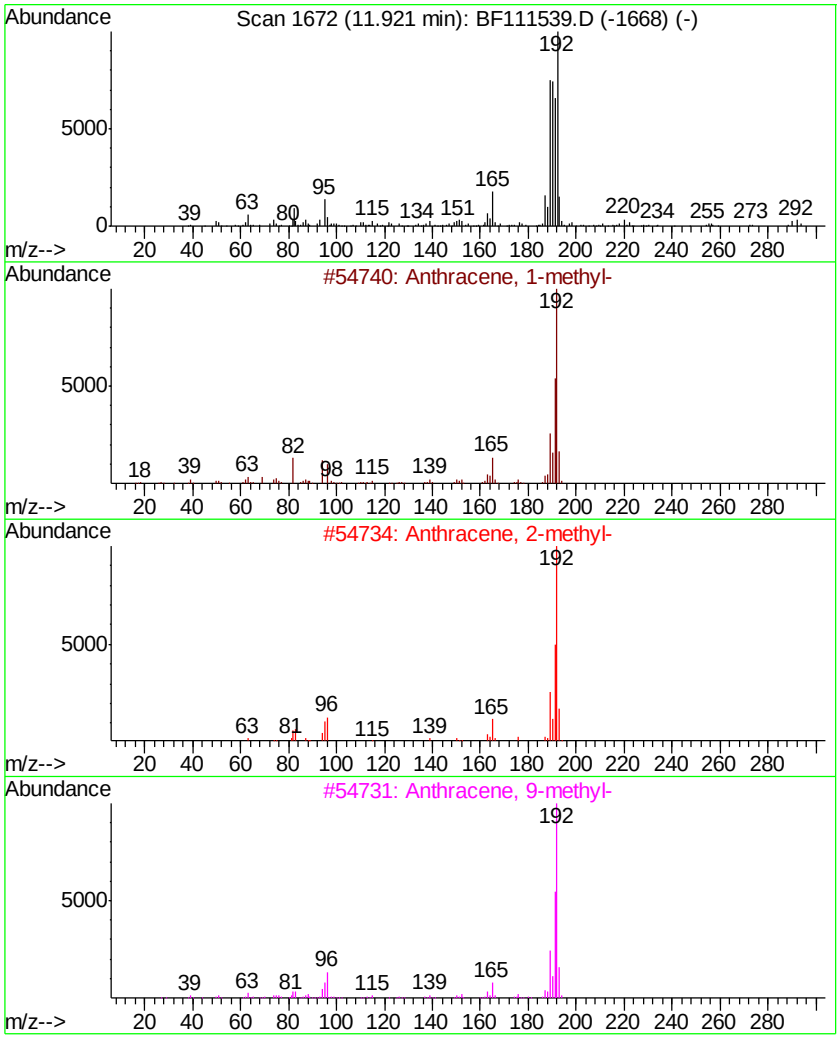
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

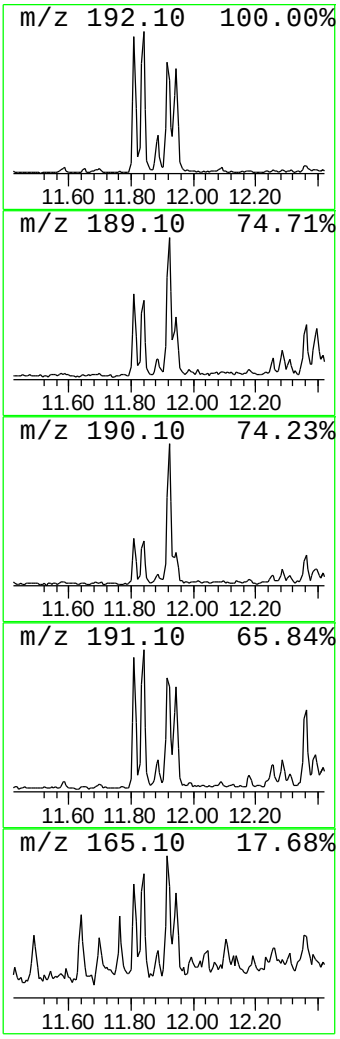
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.53 ng	322700	Phenanthrene-d10	11.31

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	50
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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Data File : BF111539.D
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Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

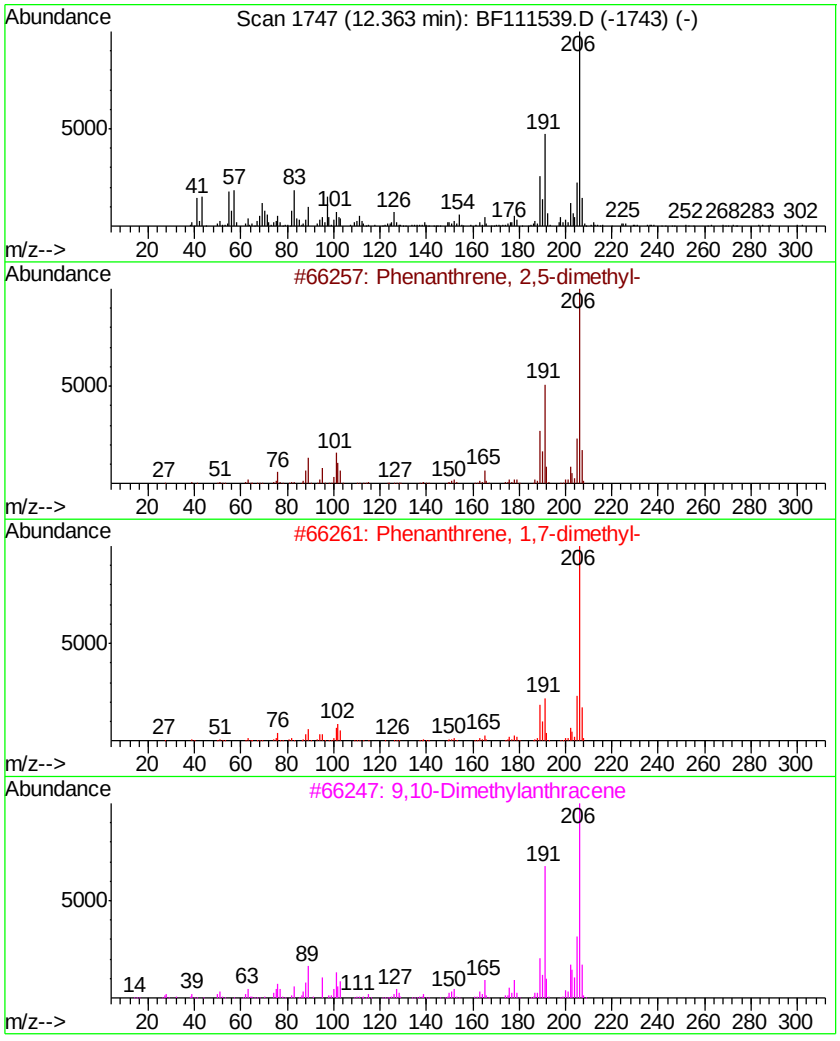
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

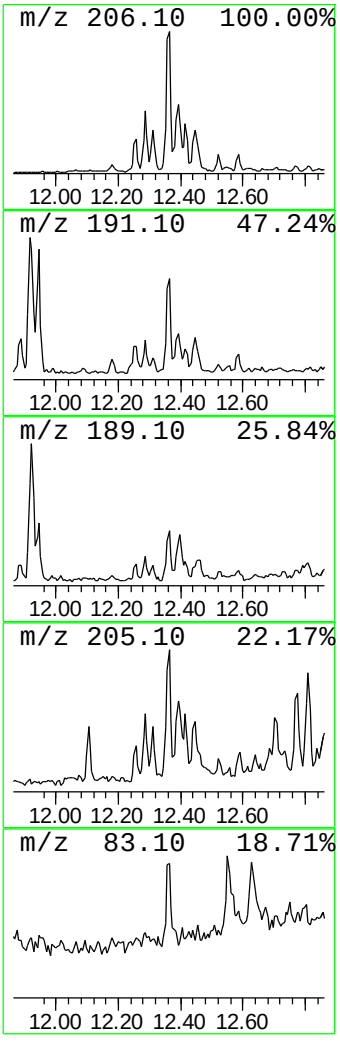
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.31 ng	368353	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

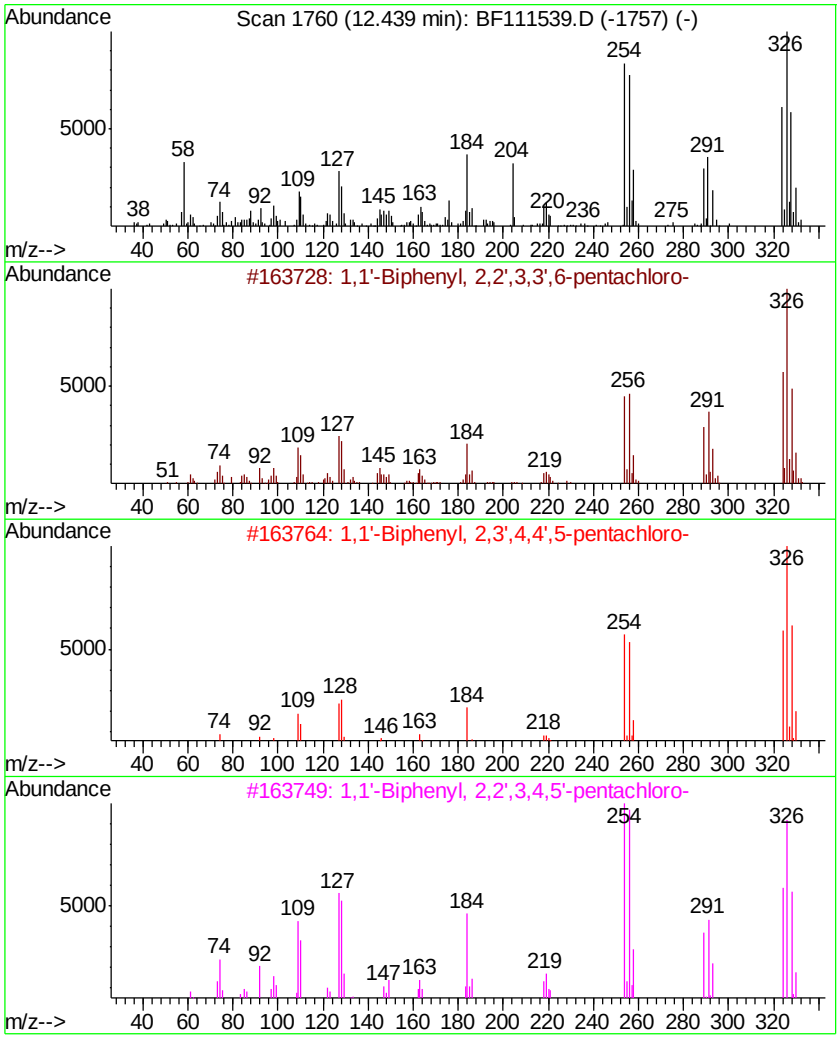
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

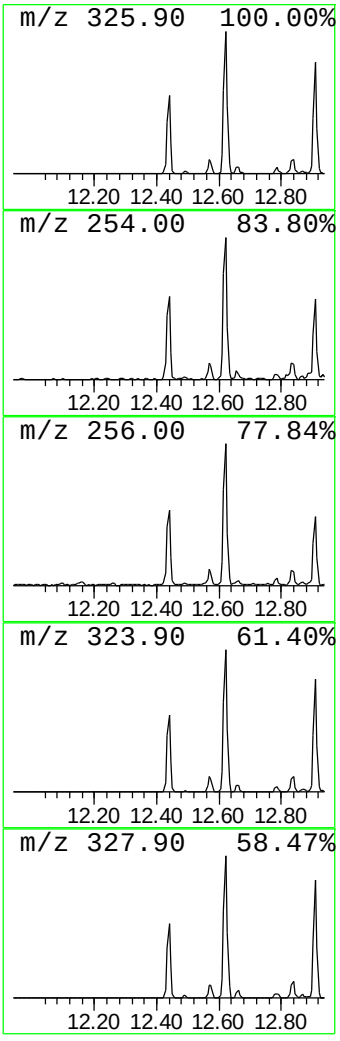
****

Peak Number 7 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.70 ng	391011	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99





Library Search Compound Report

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Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

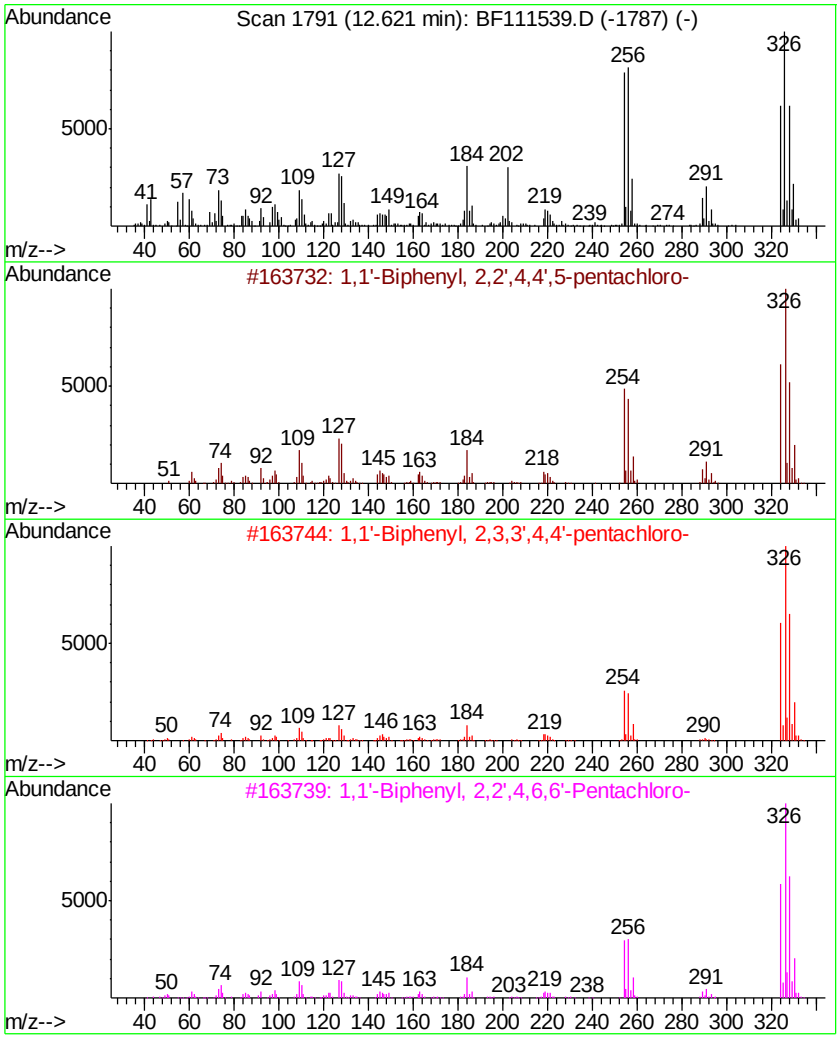
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

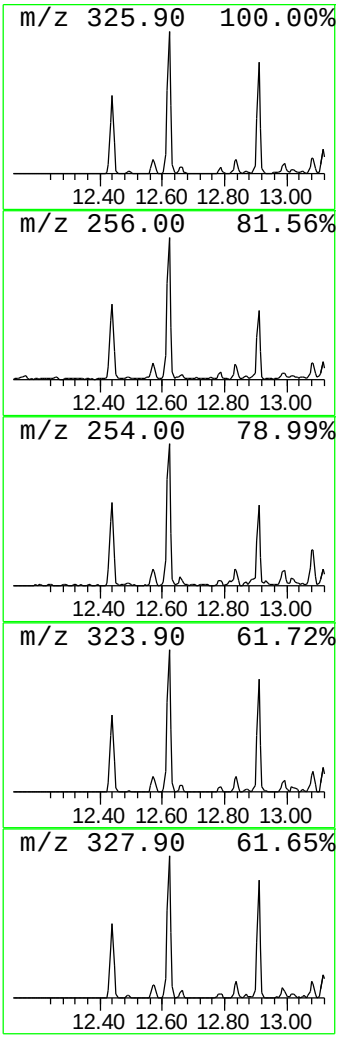
****

Peak Number 8 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	17.51 ng	1021440	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	2,3',4',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	074472-39-2	99





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Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

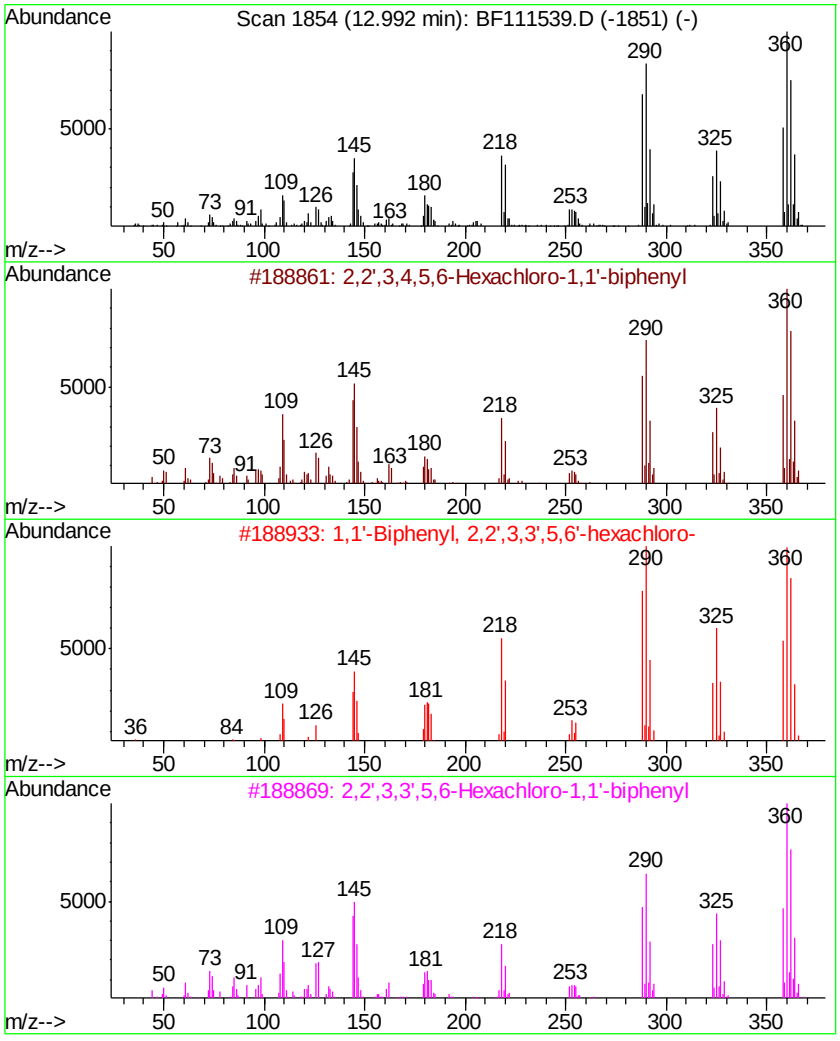
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

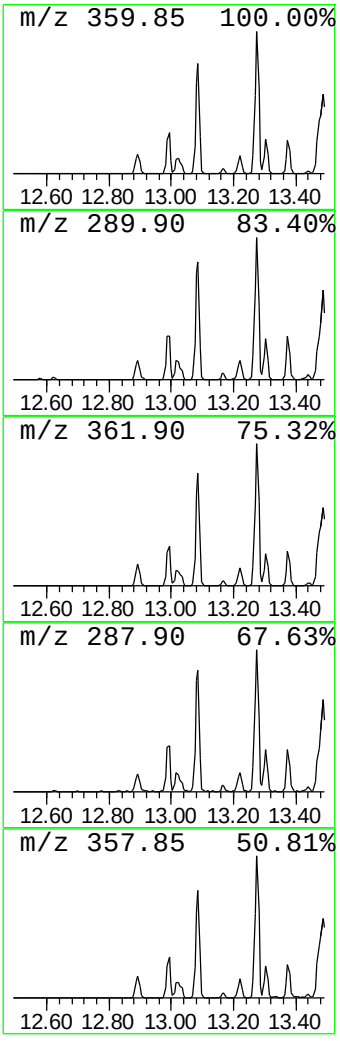
****

Peak Number 9 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	7.21 ng	573638	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
2	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	99
3	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99





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Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

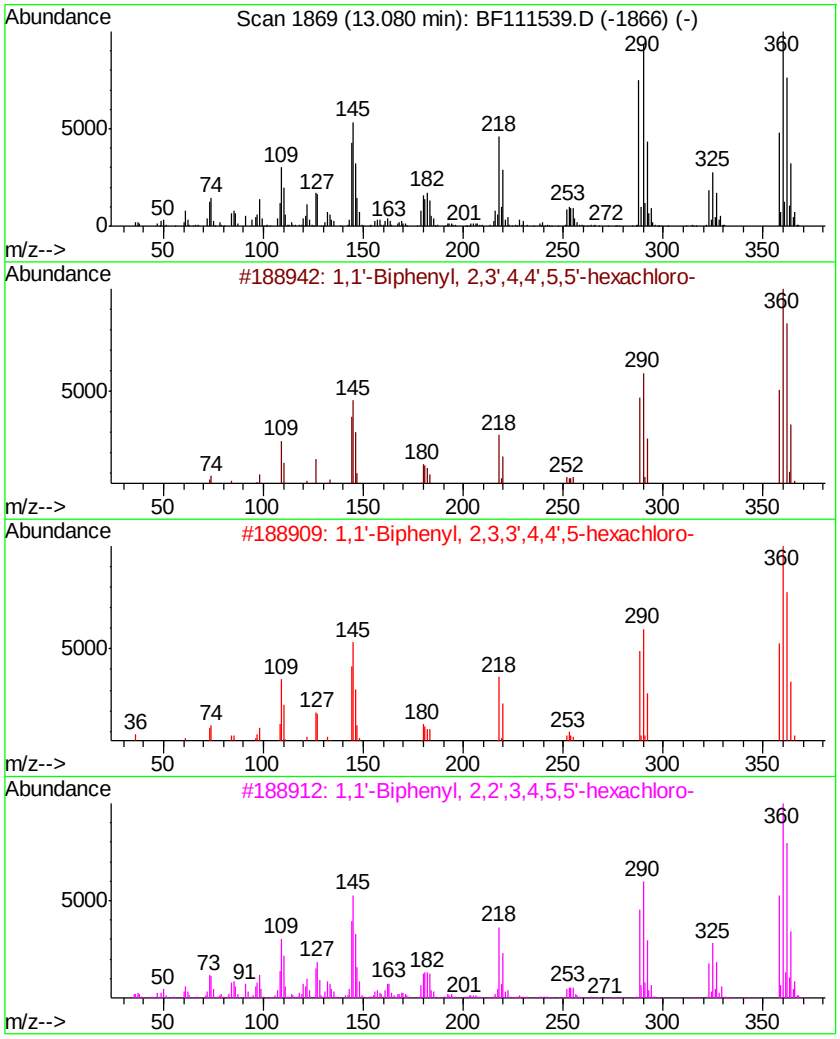
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

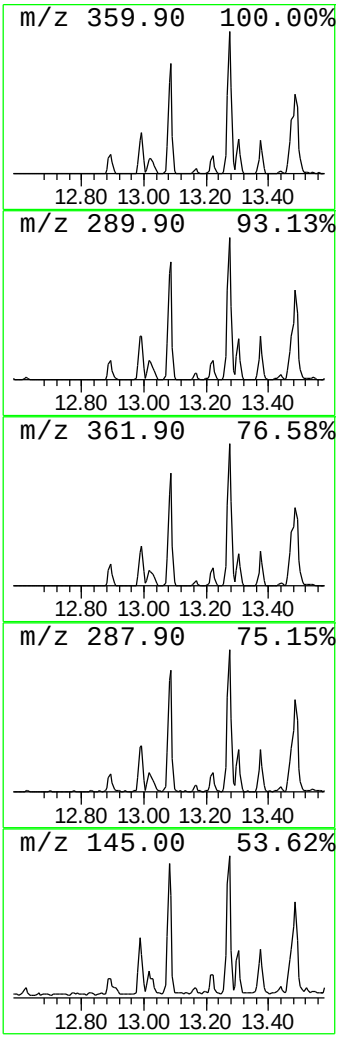
****

Peak Number 10 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	20.09 ng	1598330	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
5	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99





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Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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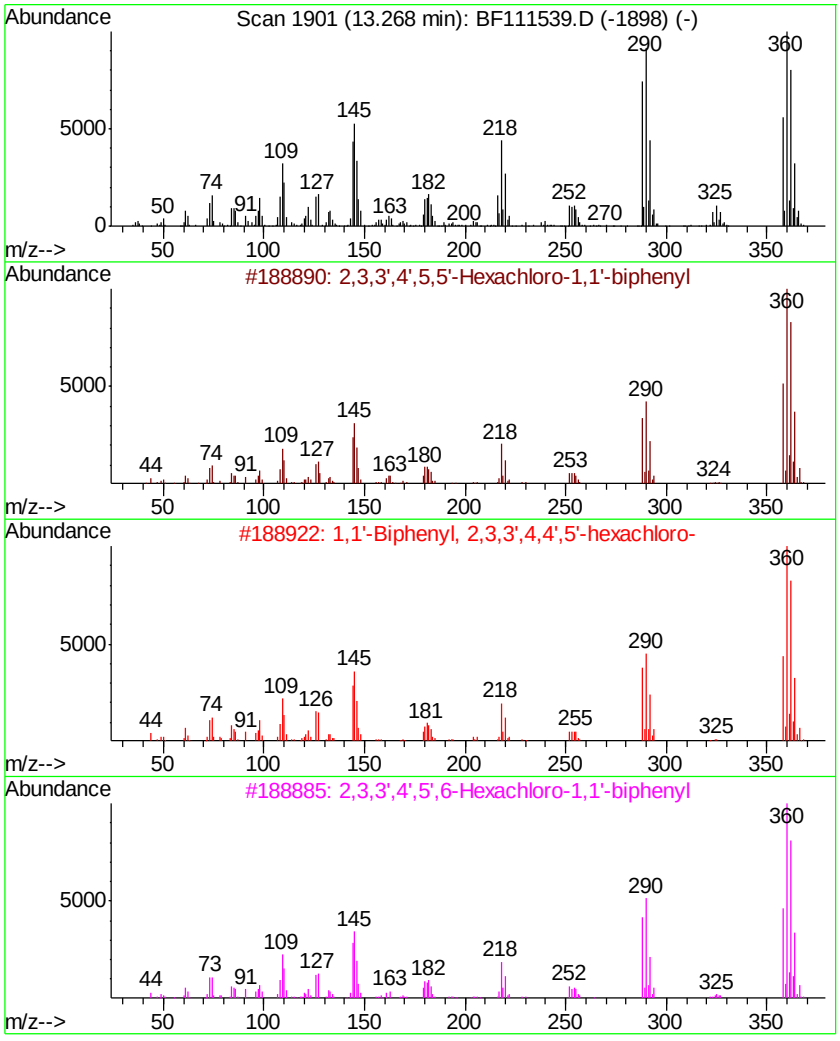
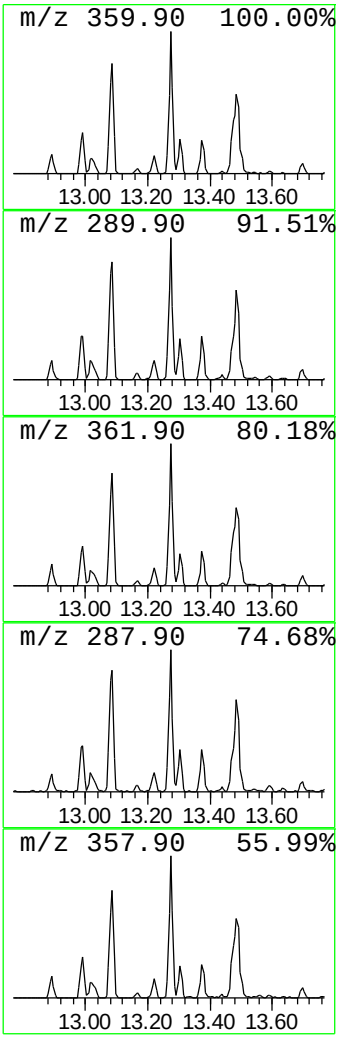
Peak Number 11 2,3,3',4',5,5'-Hexachloro-1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	22.59 ng	1796560	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
3	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
4	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99





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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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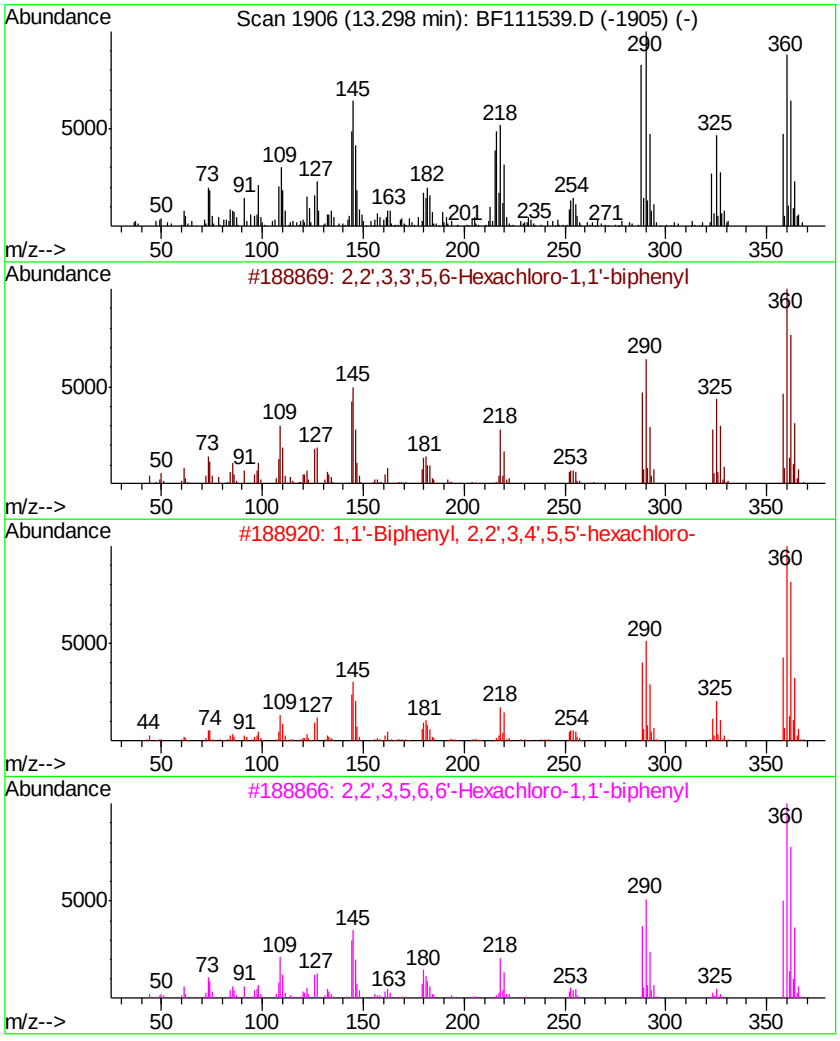
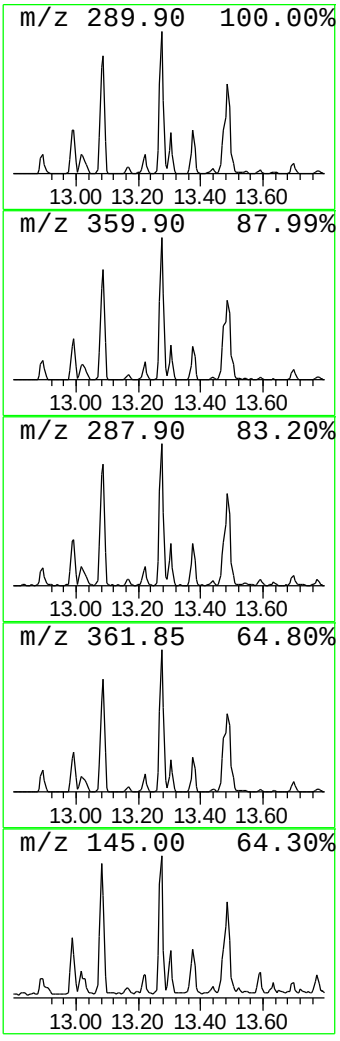
Peak Number 12 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	6.24 ng	496195	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99
4	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99





Library Search Compound Report

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Operator : JU/SJ
Sample : J6386-16
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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

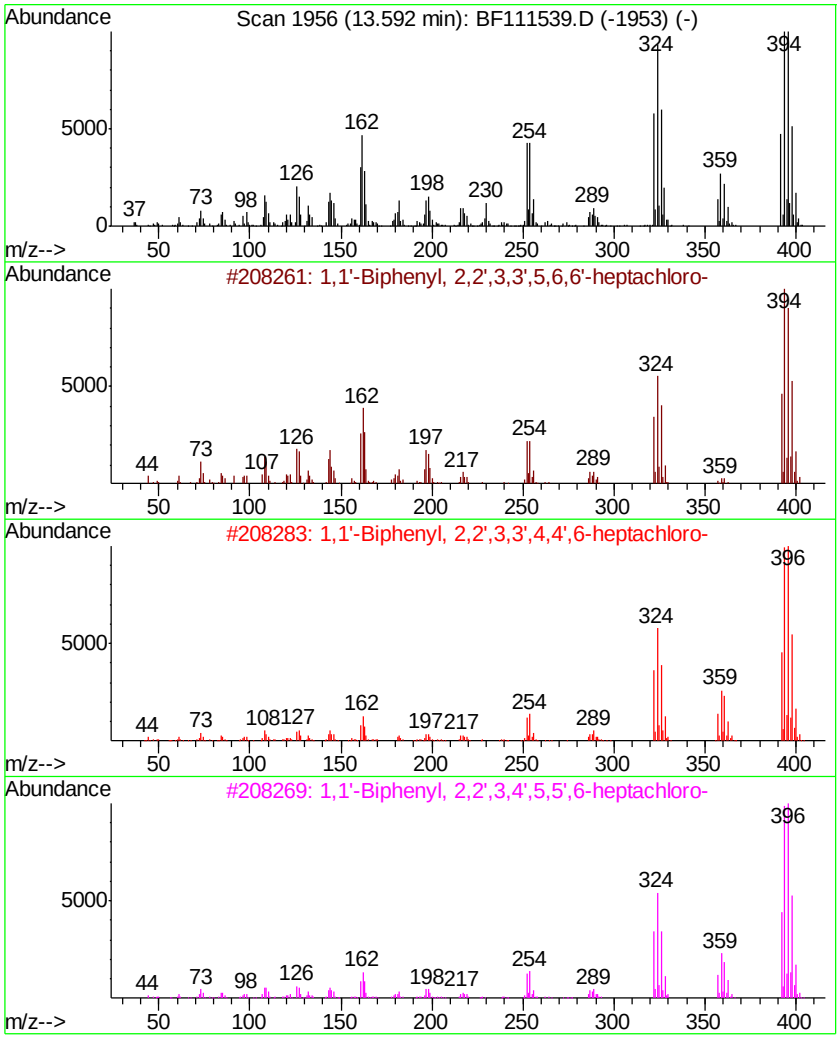
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

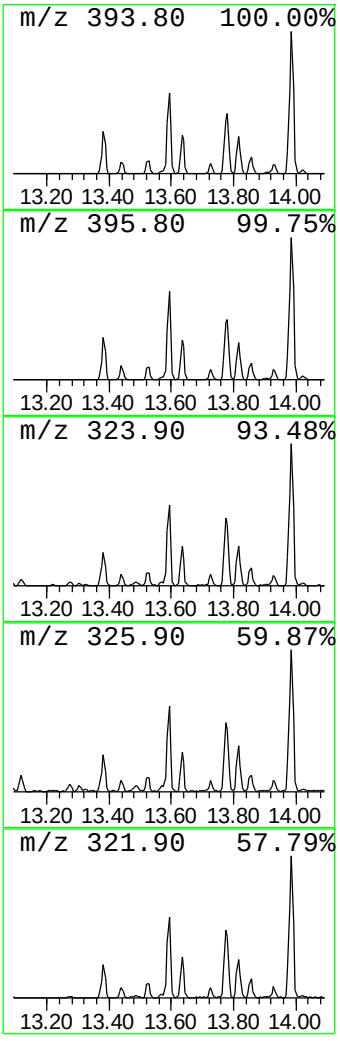
****

Peak Number 15 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	12.95 ng	1030330	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,6,6'-...	392	C12H3Cl7	052663-64-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
5	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99





Library Search Compound Report

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Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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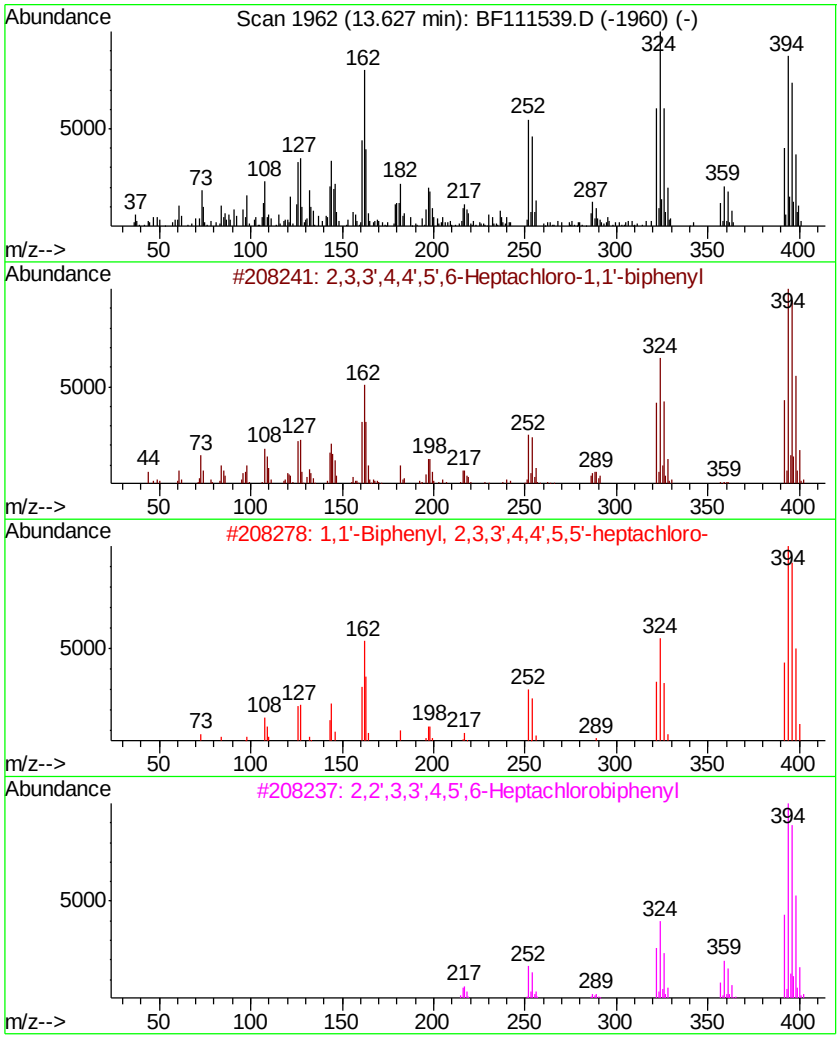
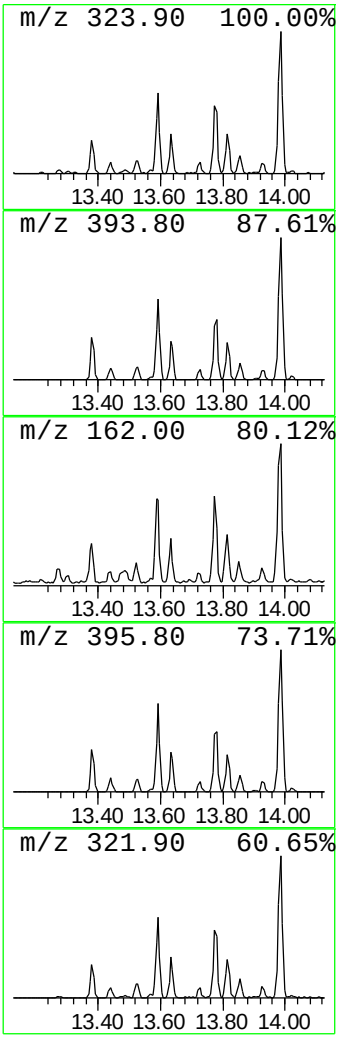
Peak Number 16 2,3,3',4,4',5',6-Heptachlor... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	6.00 ng	476869	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99
2	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
5	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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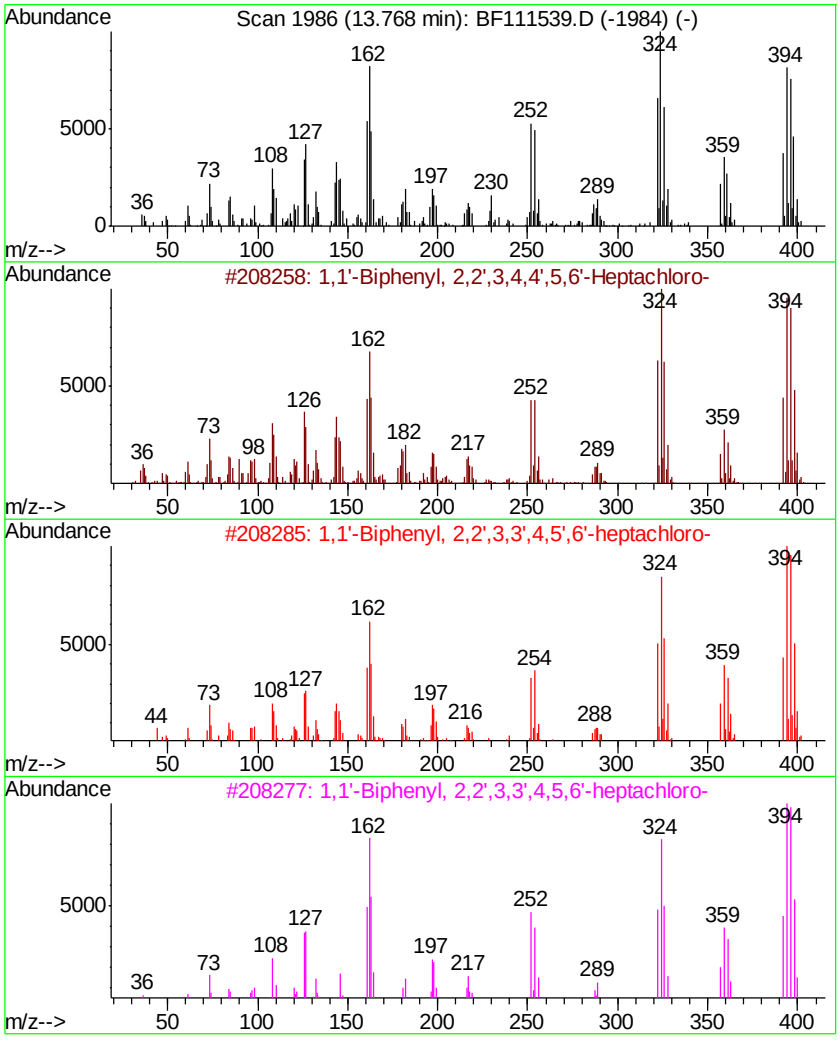
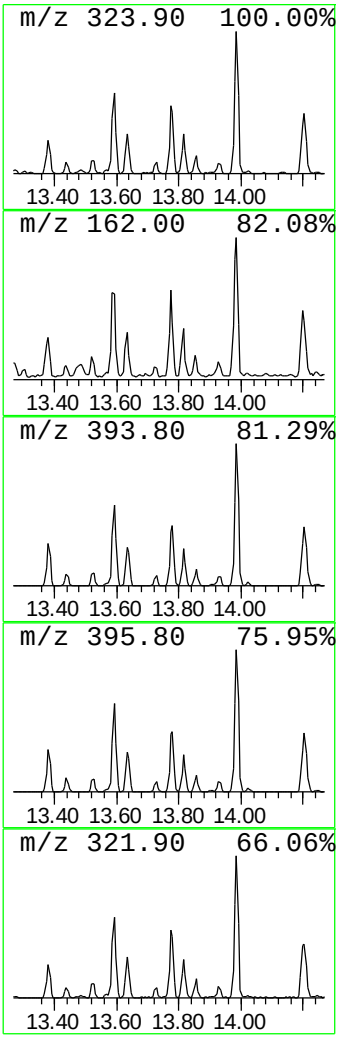
Peak Number 17 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	10.82 ng	860936	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,5,6'-...	392	C12H3Cl7	038411-25-5	99
4	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
5	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99





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Sample : J6386-16
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

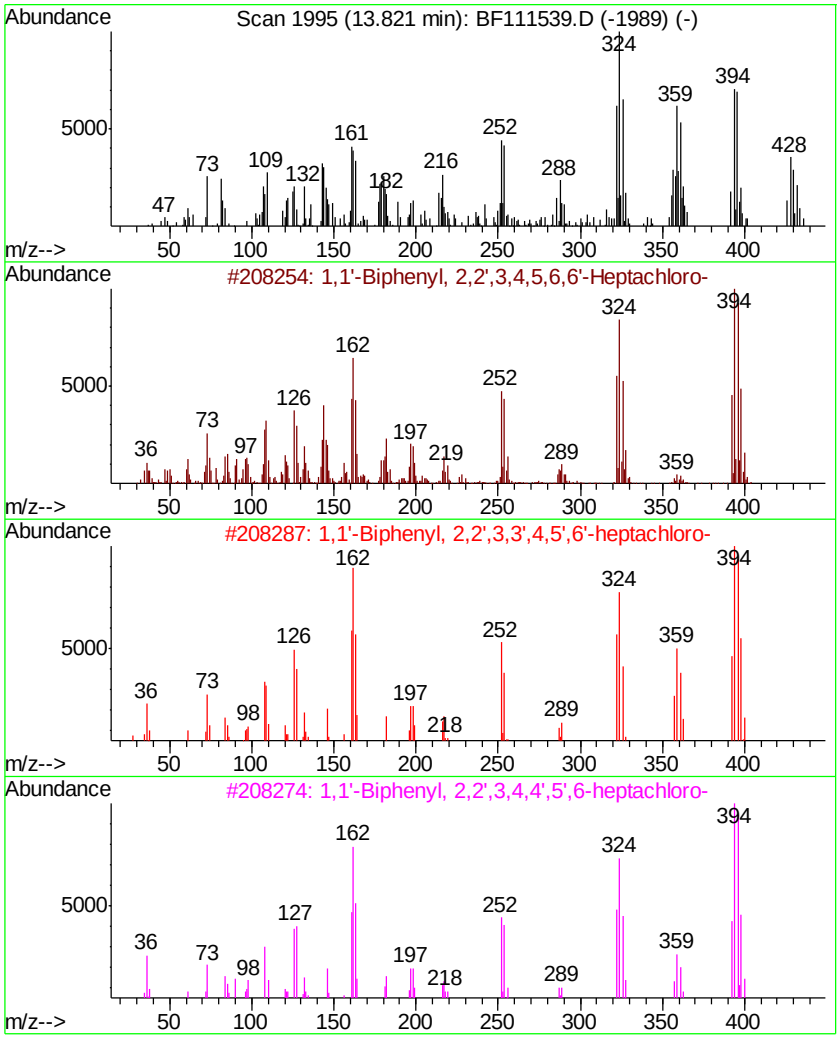
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

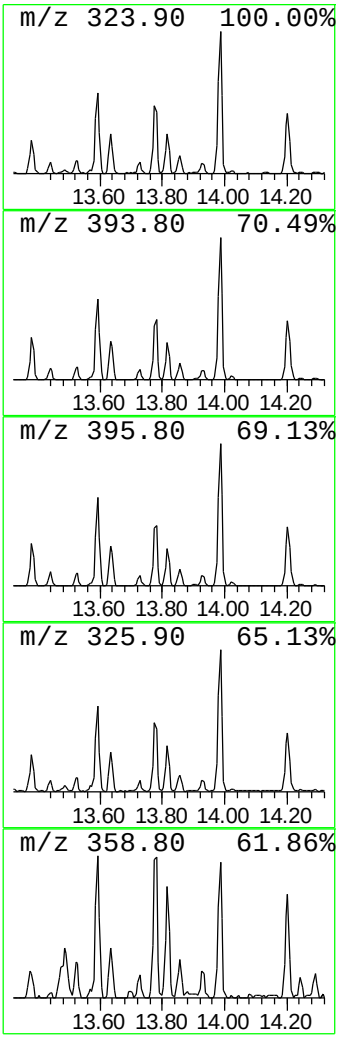
****

Peak Number 18 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	10.96 ng	872004	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
2	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
3	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
5	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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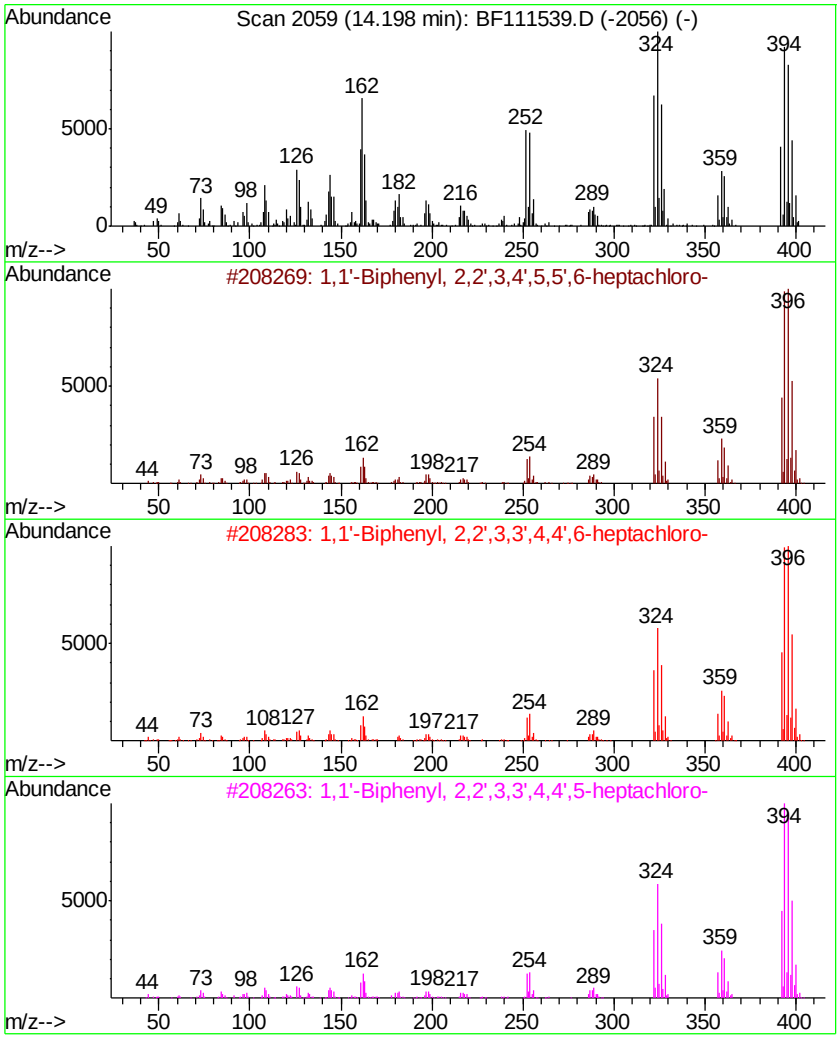
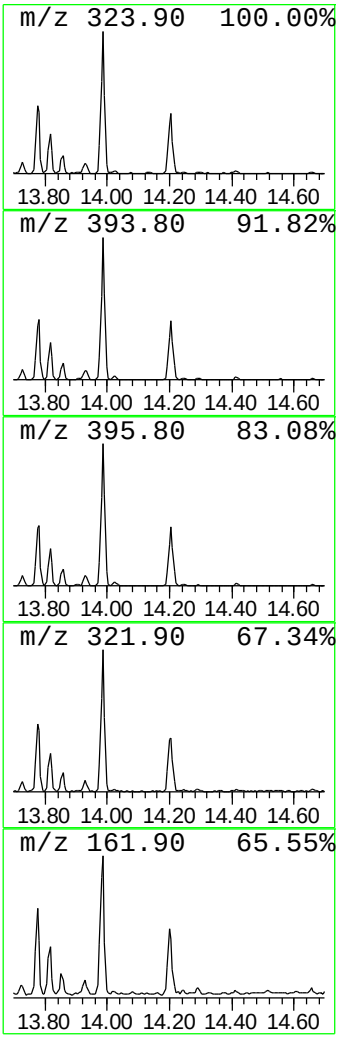
Peak Number 19 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	10.50 ng	835000	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99





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Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

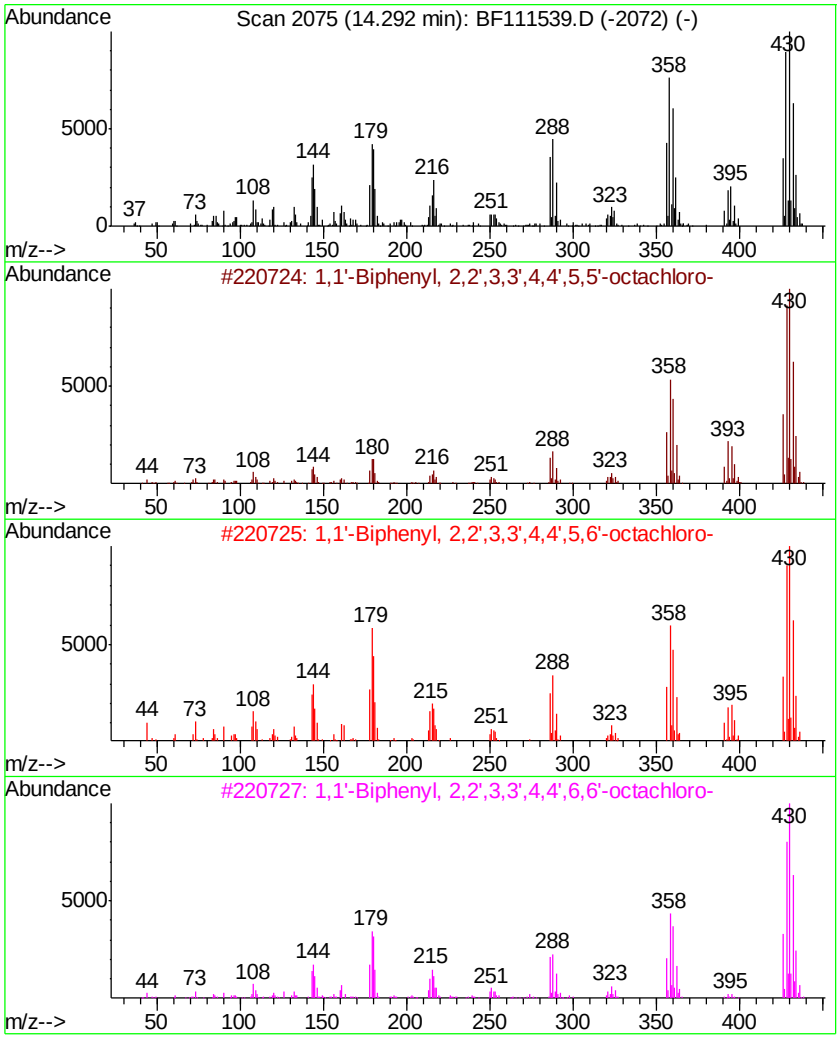
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

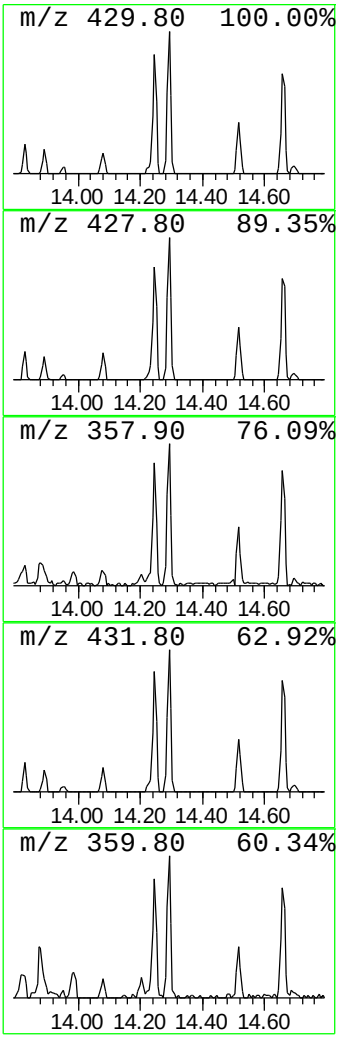
****

Peak Number 20 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	4.93 ng	391876	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P001-SS007-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.56	6.56	75.7	ng	2768130	1	6.79	731797	20.0
Benzene, 1,2,3,4-...	9.23	8.0	ng	511402	3	9.82	1285670	20.0
n-Hexadecanoic acid	11.84	16.7	ng	972428	4	11.31	1166990	20.0
Anthracene, 1-met...	11.92	5.5	ng	322700	4	11.31	1166990	20.0
Phenanthrene, 2,5...	12.36	6.3	ng	368353	4	11.31	1166990	20.0
1,1'-Biphenyl, 2,...	12.44	6.7	ng	391011	4	11.31	1166990	20.0
1,1'-Biphenyl, 2,...	12.62	17.5	ng	1021440	4	11.31	1166990	20.0
2,2',3,4,5,6-Hexa...	12.99	7.2	ng	573638	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	13.08	20.1	ng	1598330	5	13.95	1590820	20.0
2,3,3',4',5,5'-He...	13.27	22.6	ng	1796560	5	13.95	1590820	20.0
2,2',3,3',5,6-Hex...	13.30	6.2	ng	496195	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	13.59	12.9	ng	1030330	5	13.95	1590820	20.0
2,3,3',4,4',5',6-...	13.63	6.0	ng	476869	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	13.77	10.8	ng	860936	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	13.82	11.0	ng	872004	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	14.20	10.5	ng	835000	5	13.95	1590820	20.0
1,1'-Biphenyl, 2,...	14.29	4.9	ng	391876	5	13.95	1590820	20.0